9/23/02
09/214,277
Search Results

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L6      STRUCTURE UPLOADED

=> d que
L6                  STR
   O 65 C M2

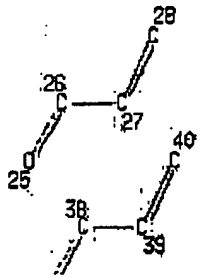
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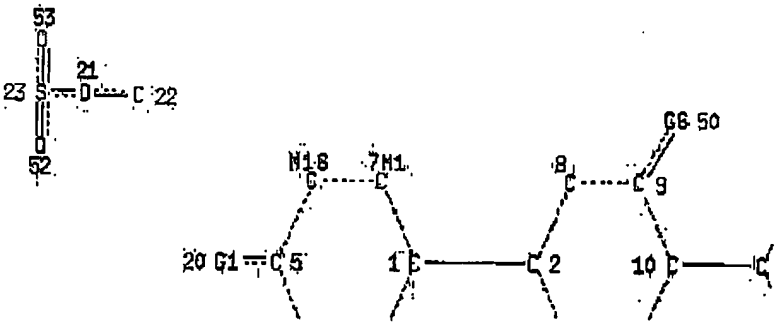
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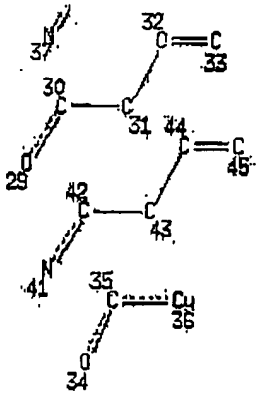
Page 1-A

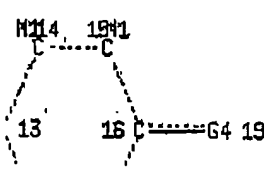


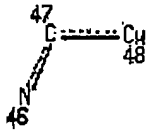
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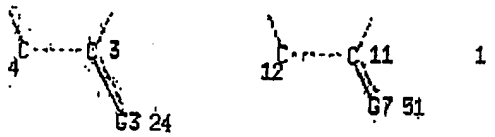
Page 2-A







Page 2-B



Page 3-A



Page 3-B

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VAR G4=25/29/34/37/41/46
VAR G5=59/60/61
VAR G6=62/63
VAR G7=64/65
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HCOUNT  IS M1     AT  61
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DEFAULT ECLEVEL IS LIMITED

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RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  65

STEREO ATTRIBUTES: NONE


=> s l6
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SAMPLE SCREEN SEARCH COMPLETED -    396 TO ITERATE

100.0% PROCESSED     396 ITERATIONS                          31 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         6727 TO     9113
PROJECTED ANSWERS:             286 TO      954

L7           31 SEA SSS SAM L6

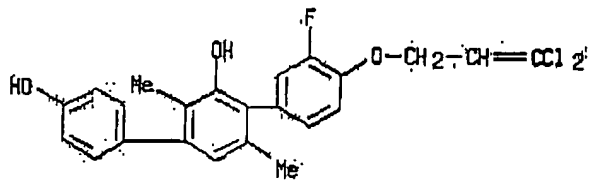
=> s l6 ful
FULL SEARCH INITIATED 11:37:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   8275 TO ITERATE

100.0% PROCESSED    8275 ITERATIONS                         433 ANSWERS
SEARCH TIME: 00.00.05

L8          433 SEA SSS FUL L6

=> d scan

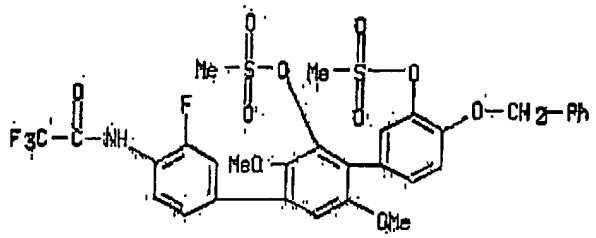
L8   433 ANSWERS   REGISTRY  COPYRIGHT 2002 ACS
IN   [1,1':4',1''-Terphenyl]-2',4''-diol, 4-[(3,3-dichloro-2-propenyl)oxy]-3-
     fluoro-3',6'-dimethyl- (9CI)
MF   C23 H19 Cl2 F O3
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

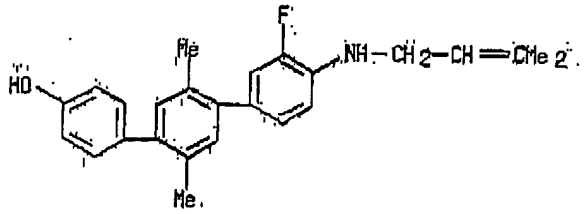
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)5

L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Acetamide, 2,2,2-trifluoro-N-[3-fluoro-2',5'-dimethoxy-3',3''-[(methylsulfonyl)oxy]-4''-(phenylmethoxy)[1,1':4',1''-terphenyl]-4-yl]-(9CI)
MF C31 H27 F4 N O10 S2



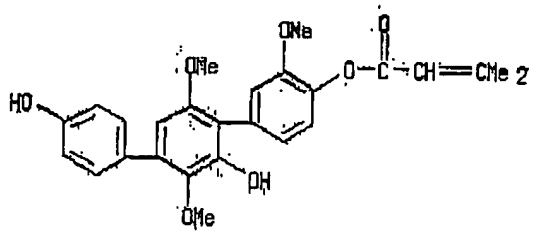
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN [1,1':4',1''-Terphenyl]-4-ol, 3''-fluoro-2',5'-dimethyl-4''-[(3-methyl-2-butenyl)amino]- (9CI)
MF C25 H26 F N O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

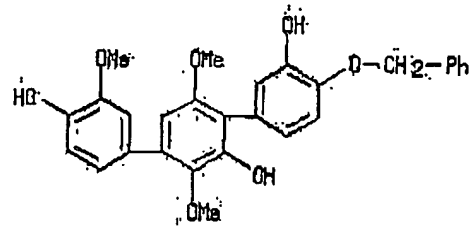
L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 3-methyl-, 2',4''-dihydroxy-3,3',6'-trimethoxy[1,1':4',1''-terphenyl]-4-yl ester (9CI)
MF C26 H26 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

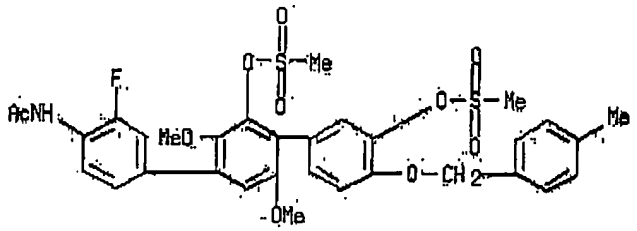
L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',3'',6'-trimethoxy-4-

(phenylmethoxy)- (9CI)
MF C28 H26 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Acetamide, N-[3-fluoro-2',5'-dimethoxy-4''-[(4-methylphenyl)methoxy]-3',3''-bis[(methylsulfonyl)oxy][1,1':4',1''-terphenyl]-4-yl]- (9CI)
MF C32 H32 F N O10 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)end

=> fil cap

COST IN JAPANESE YEN	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20258	20287

FILE 'CAPLUS' ENTERED AT 11:39:16 ON 09 SEP 2002
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FILE COVERS 1907 - 8 Sep 2002 VOL 137 ISS 11
FILE LAST UPDATED: 6 Sep 2002 (20020906/ED)

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' CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l8
L9 10 L8

=> d bib abs l-
YOU HAVE REQUESTED DATA FROM 10 ANSWERS - CONTINUE? Y/(N):y

L9 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2002 ACS

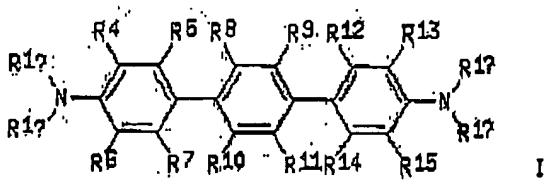
Full Text | Caplus References

AN 2002:555447 CAPLUS
DN 137:124988
TI Preparation of terphenyl compounds bearing substituted amino groups as immunosuppressants and/or allergy inhibitors
IN Tsuri, Tatsuo; Takechi, Shozo; Horibe, Isao
PA Shionogi & Co., Ltd., Japan
SO PCT Int. Appl., 183 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002057216	A1	20020725	WO 2002-JP200259	20020117

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI JP 2001-10057 A 20010118
OS MARPAT 137:124988
GI



I

AB Compds. represented by the general formula [I; wherein R1a, R1b, R1c, R1d = H, lower alkyl, lower alkenyl, lower alkynyl, lower alkylsulfonyl, cycloalkyl, lower alkoxycarbonyl, lower alkyl-(un)substituted heterocyclyl, lower alkoxycarbonyl and/or carboxy-(un)substituted aryl, lower alkyl (un)substituted with ≥1 of carboxy and amino groups, lower alkenyl, lower alkynyl, halo-(un)substituted acyl, halo-(un)substituted lower alkylsulfonyl, cycloalkyl, etc.; R4-R15 = H, halo, HO, CO2H, guanidino, NO2, cyano, each (un)substituted lower alkyl, lower alkoxy, alkenyloxy, cycloalkyloxy, acyl, acyloxy, lower alkoxycarbonyl, alkenyloxycarbonyl, lower alkylthio, alkenylthio, NH2, carbamoyl, sulfamoyl, lower alkoxycarbonyl, amino, nitro, lower alkylsulfonyl, lower alkylsulfonyloxy, arylsulfonyl, lower alkylsulfinyl, or arylsulfonyloxy], prodrugs thereof, or pharmaceutically acceptable salts thereof, or hydrates thereof are prepd. Also claimed are IgE prodn. inhibitors, Th2 differentiation inhibitors, antiallergic agents, or immunosuppressants contg. I, pr drugs thereof, or pharmaceutically acceptable salts thereof, or hydrates thereof. Thus, 332 mg 2',3',5'-trimethyl-6'-methoxy-[1,1':4',1'']-terphenyl-4,4''-diamine was

dissolved in 14 mL THF, followed by adding 0.88 mL cyclopentanone and 0.23 mL AcOH, and the resulting mixt. was stirred at room temp. for 40 min, treated with 2.23 g sodium triacetoxyborohydride, and stirred at room temp. for 5 h to give N4,N4''-dicyclopentyl-2',3',5'-trimethyl-6'-methoxy-[1,1':4',1'']-terphenyl-4,4''-diamine (II). A tablet formulation contg. II was described. Balb/c mice was immunized with dinitrophenyl group-linked Ascaris protein (protein extd. from pig Ascaris) and then administered with 4,4''-bis(isopropylamino)-5'-methoxy-5-methyl-[1,1':4',1'']-terphenyl-3'-carboxylic acid Me ester (III) at 30 mg/kg p.o. for 6 consecutive days. The differentiation of CD4-pos. T cells of the above mice lymph node into IFNγ-pos. cells (Th1) and IL-4-pos. cells (Th2) was significantly inhibited compared to that of control animals administered with saline soln. instead of III.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 2001:920327 CAPLUS
DN 137:137137
TI A new practical tritium labeling procedure using sodium borotritide and tetrakis(triphenylphosphine)palladium(0)
AU Nagasaki, Tohru; Sakai, Katsunori; Segawa, Masaharu; Katsuyama, Yoshihiko; Haga, Nobuhiro; Koike, Masahiro; Kawada, Kenji; Takechi, Shozo
CS Discovery Research Laboratories, Shionogi and Co., Ltd., Osaka, 553-0002, Japan
SO Journal of Labelled Compounds & Radiopharmaceuticals (2001), 44(14), 993-1004
CODEN: JLCRD4; ISSN: 0362-4803
PB John Wiley & Sons Ltd.
DT Journal
LA English
AB A simple, mild and versatile new tritium (3H) labeling method on a micro scale using sodium borotritide (NaB3H4) and a transition-metal complex catalyst is described. 3H-labeled compds. were prepd. effectively by 3H hydrogenolysis of appendant functional groups in target compds. The appendant functional group such as bromo, iodo or sulfonate in various target compds. can be replaced by tritium (3H) in moderate yields. The new method was established by optimization of the reaction conditions and examn. of its applicability using four types of model substrates in tracer runs. Then, various drug candidates and ligands for drug discovery were labeled with tritium on a micro scale. The specific radioactivity of the 3H-labeled compds. used for the studies on receptor binding ranged from 12 to 20 Ci/mmol.

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 2001:886013 CAPLUS
DN 136:19727
TI Method for labeling with tritium
IN Nagasaki, Tohru
PA Shionogi & Co., Ltd., Japan
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001092188	A1	20011206	WO 2001-JP4349	20010524

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LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

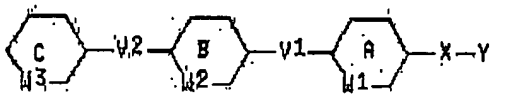
PRAI JP 2000-158306 A 20000529
OS CASREACT 136:19727
AB A method for prepg. a tritium-labeled compd., characterized in that it comprises reacting an org. compd. with a hydride reagent in the presence of a solvent and a catalyst; and a tritium-labeled compd. prepd. by the method. The method allows the introduction of tritium at the last stage of synthesis and thus the prepn. of a tritium-labeled compd. having a high specific radioactivity. Prepd. tritium-labeled compds. are useful as screening agents in biol. tests. Thus, 4-C6H5C6H43H was prepd. from 4-C6H5C6H4Br and NaB3H4 in DMF in the presence of catalyst (Pd(PPh3)4, Pd(OAc)2, Pd(PhCN)2Cl2, Pd2(dba)3, Ru(PPh3)3Cl2, Rh(PPh3)3Cl, NiCl2, CoCl2, or RhCl3).
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2002 ACS
Full Citing
Text Reference

AN 2001:78224 CAPLUS
DN 134:131433
TI Preparation of tricyclic compounds as inhibitors of cell differentiation into Th2 cells
IN Arimura, Akinori; Kawada, Kenji
PA Shionogi & Co., Ltd., Japan
SO PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001007032	A1	20010201	WO 2000-JP4725	20000714
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000012697	A	20020409	BR 2000-12697	20000714
	EP 1206935	A1	20020522	EP 2000-946316	20000714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	NO 2001006401	A	20020123	NO 2001-6401	20011221
PRAI	JP 1999-209298	A	19990723		
	WO 2000-JP4725	W	20000714		

OS MARPAT 134:131433
GI



I

AB The title compds. I [rings A, B and C ar each an arom. carbon ring, a heterocycle, etc.; X represents a single bond, O, CH2, NH, SO, etc.; Y represents hydrogen, optionally substituted lower alkyl, ptionally substituted lower alkenyl, etc.; and V1 and V2 represent each a single

bond, O, NH, OCH2, etc.; when ring A, B, or C is (un)substituted 5-membered heterocyclic ring, W1, W2, W3 = bond] are prepd. Compds. of this invention at 40 mg/kg gave significant inhibition of Th0 cell differentiation into Th2 cells. Formulations are given.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

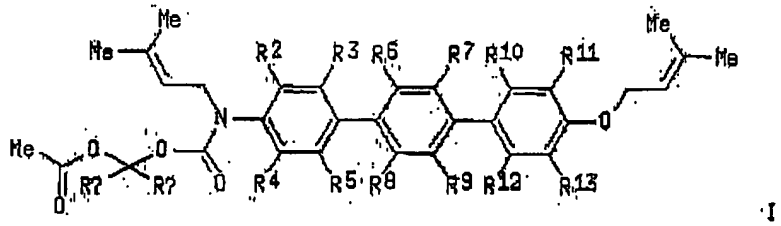
AN 2001:63960 CAPLUS
DN 134:116239
TI Preparation of p-terphenyl compounds bearing acyloxymethoxycarbonyl side chains as prodrugs for allergy inhibitors and immunosuppressants
IN Aono, Katsutoshi; Ichihashi, Teruhisa; Tsuri, Tatsuo
PA Shionogi and Co., Ltd., Japan
SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001005750	A1	20010125	WO 2000-JP4723	20000714

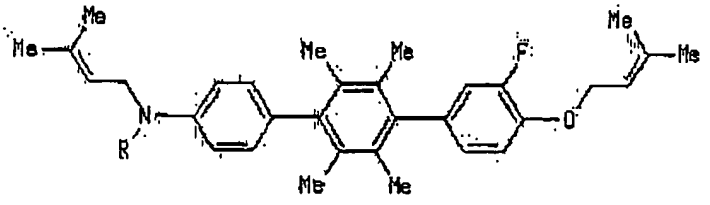
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI JP 1999-204976 A 19990719
OS MARPAT 134:116239
GI



I



II

AB Compds. of general formula (I), pharmaceutically acceptable salts thereof, or solvates of both (wherein R1 is lower alkyl substituted with a nonionic and hydrophilic group; R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, and R13 are each independently hydrogen, HO, halo, CO2H, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkenyl, optionally substituted alkenyloxy, optionally substituted alkylthio, optionally substituted lower alkoxycarbonyl, or the like; and RA and RB are each independently hydrogen or lower alkyl), which are prodrugs with improved oral absorbability, and possess potent immunosuppressant and/or antiallergic activity in their activated f rms,

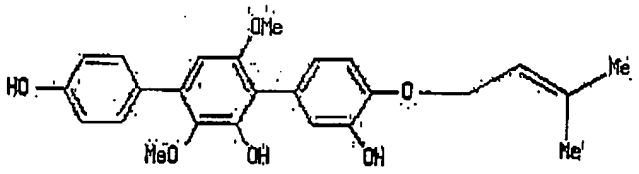
are prepd. Thus, a suspension of 190 mg glycolic acid, 173 mg K2CO3, and 5 mL DMF was stirred at room temp. for 10 min, followed by successively adding 282 mg chloromethyl N-isoprenyl-N-(p-terphenyl)carbamate deriv. (II; R = CO2CH2Cl) and 60 mg KBr, and the resulting mixt. was vigorously stirred at room temp. for 20 h to give 45% II (R = CO2CH2O2CCH2OH)(III). When III at 20 mg/kg p.o. was administered to rats, it was n t detected in the blood serum but its parent form, i.e. II (R = H), existed with the max. serum concn. of 5.1 μg/mL vs. 2.5 μg/mL for the parent. A tablet formulation contg. III was prepd.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 1998:499476 CAPLUS
DN 129:260254
TI Total Synthesis of Terprenin, a Novel Immunosuppressive p-Terphenyl Derivative
AU Yonezawa, Shuji; Komurasaki, Tadafumi; Kawada, Kenji; Tsuri, Tatsuo; Fuji, Masahiro; Kugimiya, Akira; Haga, Nobuhiro; Mitsumori, Susumu; Inagaki, Masanao; Nakatani, Takuji; Tamura, Yoshinori; Takechi, Shozo; Taishi, Teruhiko; Ohtani, Mitsuaki
CS Shionogi Research Laboratories, Shionogi Co. Ltd., Fukushima-ku Osaka, 553-0002, Japan
SO Journal of Organic Chemistry (1998), 63(17), 5831-5837
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 129:260254
GI



I

AB The authors achieved a total synthesis of terprenin (I), a novel potent IgE antibody suppressant which was obtained from the fermn. broth of Aspergillus candidus RF-5672 and has a highly oxygenated p-terphenyl skeleton with a prenyloxy side chain. The key steps relied on the Suzuki reaction to construct the terphenyl skeleton and on regioselective halogenations to selectively combine the arom. rings. The highly efficient and practical prodn. of this important natural product offers promise for the development of a new type of antiallergic drug.

L9 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 1998:305188 CAPLUS
DN 129:4518
TI Total synthesis of terprenin, a highly potent and novel immunoglobulin E antibody suppressant
AU Kawada, Kenji; Arimura, Akinori; Tsuri, Tatsuo; Fuji, Masahiro; Komurasaki, Tadafumi; Yonezawa, Shuji; Kugimiya, Akira; Haga, Nobuhiro; Mitsumori, Susumu; Inagaki, Masanao; Nakatani, Takuji; Tamura, Yoshinori; Takechi, Shozo; Taishi, Teruhiko; Kishino, Junji; Ohtani, Mitsuaki
CS Shionogi Res. Lab., Shionogi & Co., Ltd., Osaka, 553, Japan
SO Angewandte Chemie, International Edition (1998), 37(7), 973-975
CODEN: ACIEF5; ISSN: 1433-7851
PB Wiley-VCH Verlag GmbH
DT Journal
LA English

AB Several synthetic pathways toward the title compd., terprenin, were reported. New pharmacol. activities of t rprenin were not reported.

L9 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 1998:297647 CAPLUS
DN 129:38540
TI Terprenins, novel immunosuppressants produced by Aspergillus candidus
AU Kamigauchi, Toshiyuki; Sakazaki, Ryuji; Nagashima, Kazuo; Kawamura, Yoshimi; Yasuda, Yukio; Matsushima, Keisuke; Tani, Hiroyoshi; Takahashi, Yasuo; Ishii, Kikuo; Suzuki, Ryuji; Koizumi, Kenzo; Nakai, Hiroshi; Ikenishi, Yuji; Terui, Yoshihiro
CS Shionogi Research Laboratories, Shionogi & Co., Ltd., Fukushima-ku, osaka, 553-0002, Japan
SO Journal of Antibiotics (1998), 51(4), 445-450
CODEN: JANTAJ; ISSN: 0021-8820
PB Japan Antibiotics Research Association
DT Journal
LA English
AB The authors report the fermn., isolation, structure elucidation, and immunosuppressant activity of three terprenins from A. candidus.

L9 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS

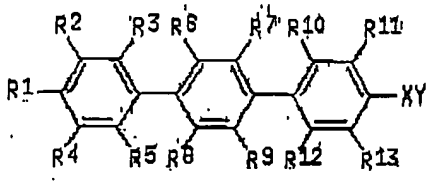
Full Text | Citing References

AN 1998:102832 CAPLUS
DN 128:153923
TI Preparation and formulation of p-terphenyl compounds as IgE production inhibitors
IN Kawada, Kenji; Ohtani, Mitsuaki; Suzuki, Ryuji; Arimura, Akinori
PA Shionogi + Co., Ltd., Japan; Kawada, Kenji; Ohtani, Mitsuaki; Suzuki, Ryuji; Arimura, Akinori
SO PCT Int. Appl., 494 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

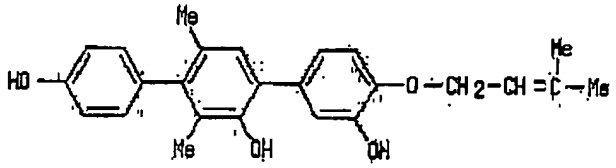
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	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9737067	A1	19980220	AU 1997-37067	19970730
	AU 729320	B2	20010201		
	EP 933346	A1	19990804	EP 1997-933837	19970730
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	BR 9710780	A	19990817	BR 1997-10780	19970730
	CN 1232443	A	19991020	CN 1997-198341	19970730
	NO 9900415	A	19990326	NO 1999-415	19990128
	KR 2000029669	A	20000525	KR 1999-700747	19990129
PRAI	JP 1996-201859	A	19960731		
	JP 1996-287782	A	19961030		
	JP 1997-86085	A	19970318		
	WO 1997-JP2635	W	19970730		

OS MARPAT 128:153923
GI

→ the present application



I



II

AB The title compds. I [R1 to R13 represent each hydrogen, halogeno, lower alkyl, lower alkoxy, etc.; X represents O, etc.; and Y represents lower alkyl or lower alkenyl] are prepd. I are selective and potent IgE prodn. inhibitors; I inhibit the prodn. of IgE in the process of differentiation of matured B cells into antibody-producing cells and give min. inhibition of the prodn. of IgG, IgM and/or IgA. This patent application discloses 1353 compds. I with NMR and/or IR spectral data. In an in vitro test using B cells, the title compd. II showed IC50 of <0.00001 ng/mL against the prodn. of IgE.

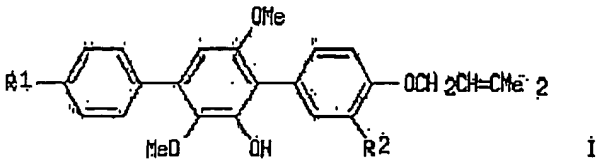
L9 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 1997:717879 CAPLUS
DN 127:330438
TI Manufacture of terphenyl compounds with Aspergillus candidus as immunosuppressants, anticancer, and antiinflammatory agents
IN Kamigauchi, Toshiyuki; Suzuki, Ryuji
PA Shionogi & Co., Ltd., Japan; Kamigauchi, Toshiyuki; Suzuki, Ryuji
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9739999	A1	19971030	WO 1997-JP1261	19970411
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	EP 895981	A1	19990210	EP 1997-915711	19970411
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	CN 1216521	A	19990512	CN 1997-194003	19970411
	AT 199083	E	20010215	AT 1997-915711	19970411
	ES 2155991	T3	20010601	ES 1997-915711	19970411
	TW 419459	B	20010121	TW 1997-86104783	19970414
	US 6087540	A	20000711	US 1998-142215	19980903
	US 6291231	B1	20010918	US 2000-551617	20000417
PRAI	JP 1996-126582	A	19960422		
	WO 1997-JP1261	W	19970411		
	US 1998-142215	A3	19980903		

OS MARPAT 127:330438
GI



I

AB Compds. represented by general formula (I; R = CH2CH:CMe2; R1 = H, OH; R2 = HO, MeO) or pharmaceutically acceptable salts thereof or hydrates of the compds. are obtained by culturing A. candidus or 2-methyl-2-butenylation of hydroxyterphenyl derivs. I (R = H; R1, R2 = same as above). An immunosuppressant and an antiinflammatory and anticancer agent contg. above compd. I as the active ingredient are claimed. Thus, A. candidus RF-5762 was shake-cultured in a medium contg. glycerin 2.0, sucrose 2.0, beef ext. 0.3, and yeast ext. 0.2% (pH 7.0) for 12 days. The cultured liq. (2 L) was suction-filtered and the sepd. organism was extd. twice with 500 mL acetone. The acetone ext. and filtrate were combined and extd. with EtOAc (500 mL 2) and the ext. was washed with water and distd. in vacuo to give a crude substance (7.85 g), which was purified by silica gel chromatog. and medium pressure liq. chromatog. using a YMC GEL ODS-AM120-S50 and ODS-AM120-S5 column and HPLC using a YMC-Pack ODS-AM and AM-302 columns to give I (R = CH2CH:CMe2, R1 = R2 = OH) (II), I (R = CH2CH:CMe2, R1 = H, R2 =OH), I (R = CH2CH:CMe2, R1 = OH, R2 = OMe), I (R = R1 = H, R2 =OH), I (R = H, R1 = R2 = OH), and 3,3''-dihydroxyterphenyllin. II showed IC50 of 1.0, 0.2, and 12.0 ng/mL for inhibiting the proliferation of human lung cancer Lu-99, human leukemia CCFR-CEM, and mouse leukemia P388 cells, resp. A tablet formulation contg. II was described.

Appendix 4-2

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 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'HOME' AT 10:33:00 ON 30 AUG 2002
FILE 'HOME' ENTERED AT 10:33:00 ON 30 AUG 2002
COST IN JAPANESE YEN                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
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FULL ESTIMATED COST

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COST IN JAPANESE YEN                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
                                                     464        464
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 10:33:21 ON 30 AUG 2002
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DICTIONARY FILE UPDATES:  27 AUG 2002  HIGHEST RN 445218-02-0

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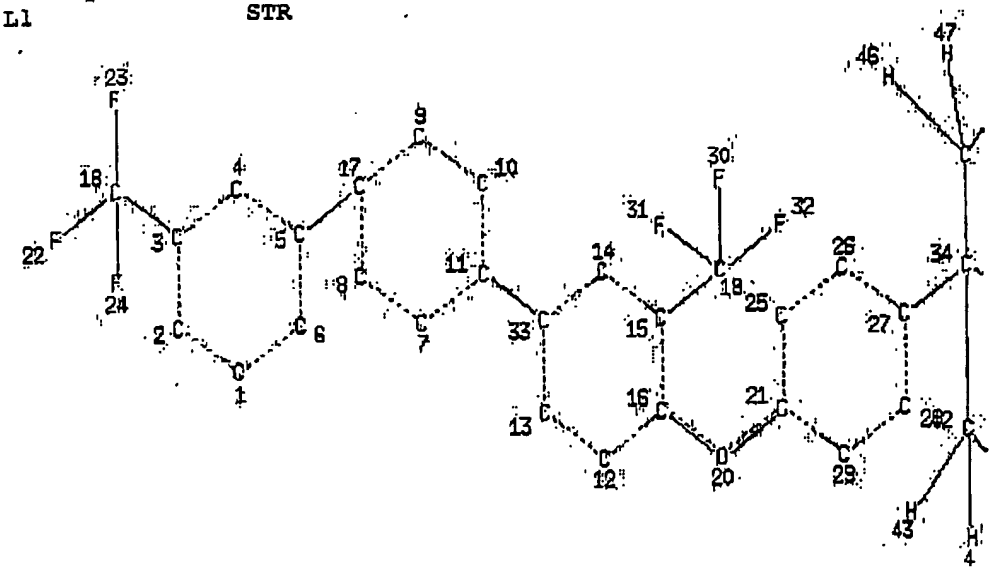
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Crossover limits have been increased.  See HELP CROSSOVER for details.

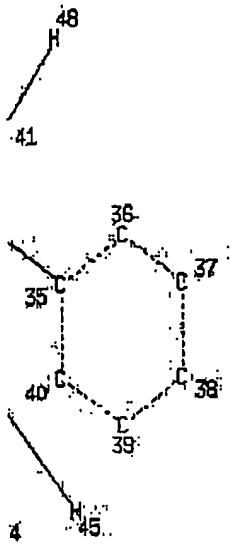
Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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Page 1-A



Page 1-B
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NUMBER OF NODES IS  48

STEREO ATTRIBUTES: NONE


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PROJECTED ANSWERS:               1 TO       80

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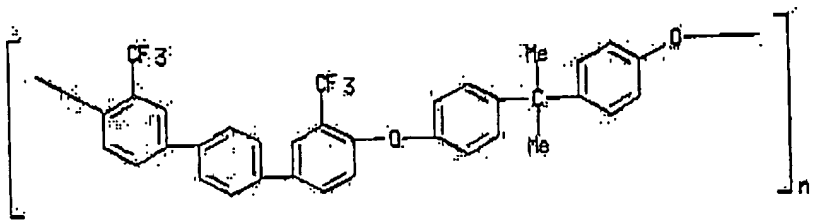
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100.0% PROCESSED     168 ITERATIONS
SEARCH TIME: 00.00.01

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L3   1 ANSWERS   REGISTRY  COPYRIGHT 2002 ACS
IN   Poly[oxy-1,4-phenylene(1-methylethylidene)-1,4-phenyleneoxy[3,3''-
     bis(trifluoromethyl)-1,1':4',1''-terphenyl-4,4''-diyl]] (9CI)
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CI   PMS
MF   (C35 H24 F6 O2)n
CI   PMS
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ALL ANSWERS HAVE BEEN SCANNED

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FULL ESTIMATED COST
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FILE COVERS 1907 - 29 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 28 Aug 2002 (20020828/ED)

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CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> d bib abs l-
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L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
Full Text | Related References

AN 2001:501371 CAPLUS
DN 135:227567
TI High-temperature polymers for advanced microelectronics
AU Maier, Gerhard; Banerjee, Susanta; Haussmann, Jorg; Sezi, Recai
CS Lehrstuhl fur Makromolekulare Stoffe, Technische Universitat Munchen, Garching, D-85747, Germany
SO High Performance Polymers (2001), 13(2), S107-S115
CODEN: HPPOEX; ISSN: 0954-0083
PB Institute of Physics Publishing
DT Journal
LA English
AB Several series of arom. polyethers and polybenzoxazoles with high thermal stability and low dielec. const. were prepd. and characterized. The polyethers were synthesized by nucleophilic arom. displacement of fluorine with phenoxides. In order to avoid strongly polar groups such as carbonyl and sulfone, trifluoromethyl groups were used to activate the fluorine for displacement. An addnl. benefit of the presence of the trifluoromethyl groups is the decreased dielec. const., which fluorinated materials exhibit. This is attributed to two factors: the strong electronegativity of fluorine, resulting in very low polarizability of the C-F bonds, and the larger radius of a fluorine atom in comparison with a hydrogen atom, resulting in increased free vol. Trifluoromethyl substituted terphenyl and quadriphenyl poly(arylether)s prepd. in this study exhibit decompn. temps. far in excess of 500°C, even in air, dielec. consts. below three, and mech. properties comparable to engineering plastics such as polycarbonate and high-performance thermoplastics such as PEEK. Poly(benzoxazole)s were prepd. with and without fluorine substituents. Since most of th poly(benzoxazole)s were insol., they were prepd. via sol. poly(hydroxyamide) precursors, which were converted to the final polymers by thermal treatment. These materials had dielec. consts. as low as 2.69 and also decompn. temps. far above 500°C in air.

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 1999:337805 CAPLUS
DN 131:130344
TI Novel poly(arylene ether)s with pendent trifluoromethyl groups
AU Banerjee, Susanta; Maier, Gerhard; Burger, Martin
CS Lehrstuhl fuer Makromolekulare Stoffe, Technische Universitaet Muenchen, Garching, D-85747, Germany
SO Macromolecules (1999), 32(13), 4279-4289
CODEN: MAMOBX; ISSN: 0024-9297
PB American Chemical Society
DT Journal
LA English
AB Six novel perfluoroalkyl-activated bishalo monomers have been synthesized successfully using Pd(0)-catalyzed cross-coupling reaction of 4-chloro- or 4-fluoro-3-(trifluoromethyl)phenylboronic acid with 1,4-dibromobenzene, 2,6-dibromopyridine, and 2,5-dibromothiophene. These monomers were converted to poly(arylene ethers) by nucleophilic displacement of the halogen atoms on the benzene ring with several bisphenols. The products obtained by displacement of the fluorine atoms exhibit wt.-av. molar masses up to 3.52 105 g mol-1 in GPC. Displacement of the chlorine atoms from the analogous monomer structures by bisphenols was not successful in obtaining high molar mass products. These poly(arylene ethers) showed very high thermal stability even up to 536°C for 5% wt. loss in TGA in air. Comparatively low thermal stability for the thiophene ring-contg. polymers was attributed to the oxidn. of the sulfur atom of the thiophene ring at high temp. in air, which destroyed the arom. character of the thiophene ring. This was confirmed by investigating the thermal stability of these polymers in an inert environment. The polymers exhibit glass transition temps. (Tg) up to 234°C in DSC. The glass transition temps. taken as peak in tan δ in DMTA measurements are in good agreement with the DSC Tg values. All the polymers are sol. in a wide range of org. solvents, e.g., CHCl3, THF, NMP, and DMF. Transparent thin films of these polymers cast from THF exhibited tensile strengths up to 70 MPa, a modulus of elasticity up to 2.69 GPa, and elongation at break up to 30% depending on their exact repeating unit structures.
RE.CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

Full Text | Citing References

AN 1998:531767 CAPLUS
DN 129:245596
TI Novel poly(aryl ethers) containing terphenyl moieties in the backbone and pendent trifluoromethyl groups
AU Banerjee, Susanta; Burger, Martin; Maier, Gerhard
CS Lehrstuhl fur Makromolekulare Stoffe, Technische Universitat Munchen, Garching, D-85747, Germany
SO Polymer Preprints (American Chemical Society, Division of Polymer Chemistry), (1998), 39(2), 855-856
CODEN: ACPPAY; ISSN: 0032-3934
PB American Chemical Society, Division of Polymer Chemistry
DT Journal
LA English
AB A new trifluoromethyl activated bsifluoro monomer contg. a terphenyl moiety was prepd. This monomer was used to prep. a no. of polyethers by activated fluoro displacement with different bisphenoxides. The polymers have reasonably high mol. wt., high glass temp., and good thermal stability and are sol. in common org. solvents.

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Appendix 3

V. Balasubramanian

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS 3	Feb 06	Engineering Information Encompass files have new names
NEWS 4	Feb 16	TOXLINE no longer being updated
NEWS 5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS 6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7	May 07	DGENE Reload
NEWS 8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS 9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS 10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS 11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS 12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN

NEWS EXPRESS	August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 16:06:27 ON 29 AUG 2001

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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09/214,277

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FILE 'REGISTRY' ENTERED AT 16:06:34 ON 29 AUG 2001
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STRUCTURE FILE UPDATES: 28 AUG 2001 HIGHEST RN 353445-45-1
DICTIONARY FILE UPDATES: 28 AUG 2001 HIGHEST RN 353445-45-1

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

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Uploading c:\stnexp4\queries\09214277.str

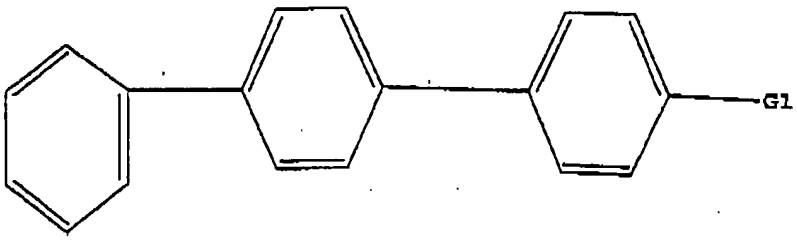
L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS
L1 STR



G1 C,O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:07:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5966 TO ITERATE

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16.8% PROCESSED 1000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

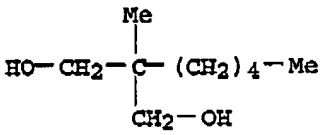
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 114694 TO 123946
PROJECTED ANSWERS: 7348 TO 9834

L3 50 SEA SSS SAM L1

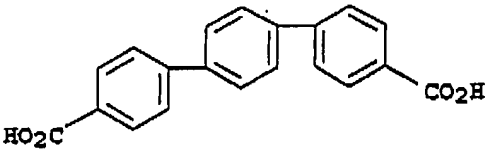
=> d scan

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4,4''-dicarboxylic acid, polymer with 2-methyl-2-pentyl-1,3-propanediol (9CI)
MF (C20 H14 O4 . C9 H20 O2)x
CI PMS

CM 1



CM 2

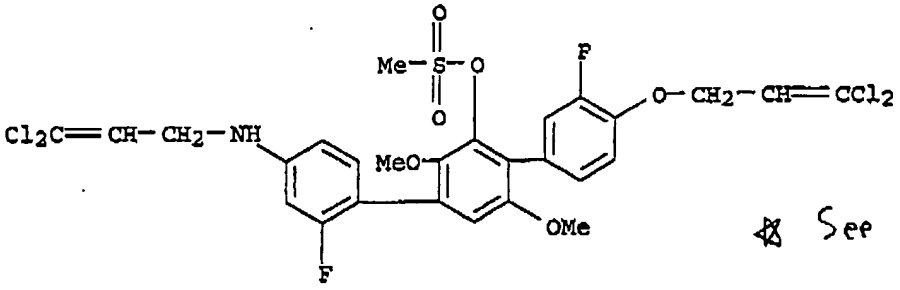


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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):49

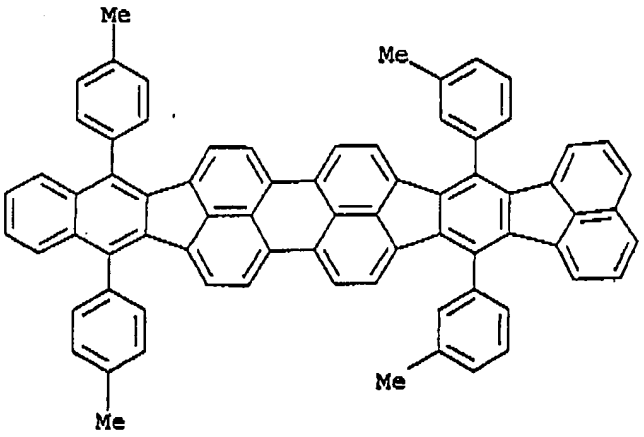
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2'-ol, 4''-[(3,3-dichloro-2-propenyl)amino]-4-[(3,3-dichloro-2-propenyl)oxy]-2'',3-difluoro-3',6'-dimethoxy-, methanesulfonate (ester) (9CI)
MF C27 H23 Cl4 F2 N O6 S

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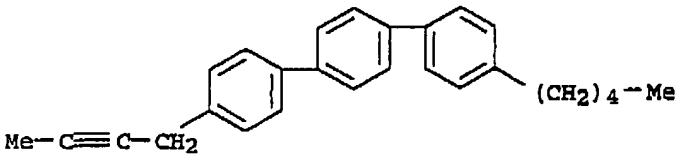
☆ See Appadix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN
Benz[5,6]indeno[1',2,3-cd]naphth[1',8':5,6,7]-s-indaceno[1,2,3-lm]perylene, 10,17-bis(3-methylphenyl)-5,22-bis(4-methylphenyl)- (9CI)
MF C74 H46



9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4-(2-butynyl)-4''-pentyl- (9CI)
MF C27 H28

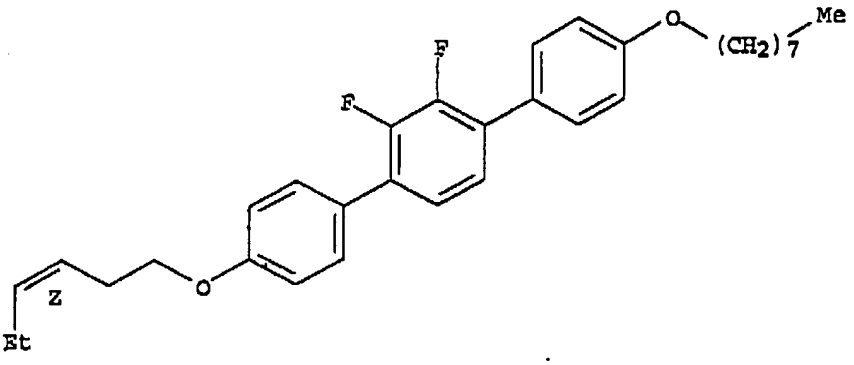


3)

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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2',3'-difluoro-4-(3-hexenyl xy)-4''-(octyloxy)-, (Z)- (9CI)
MF C32 H38 F2 O2

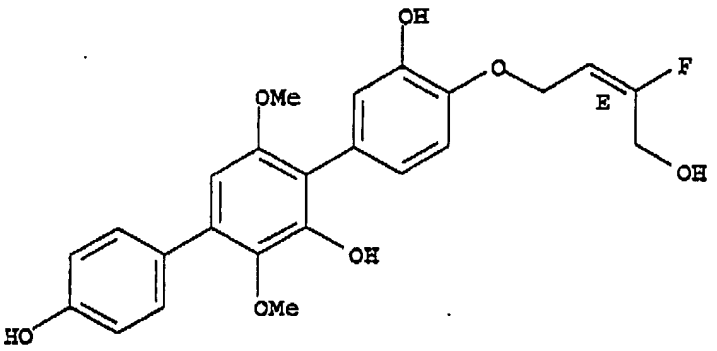
Double bond geometry as shown.



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-[(3-fluoro-4-hydroxy-2-butenyl)oxy]-3',6'-dimethoxy-, (E)- (9CI)
MF C24 H23 F O7

Double bond geometry as shown.

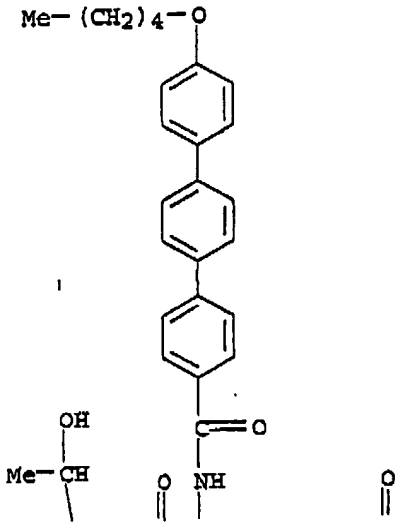


* See Appendix 4

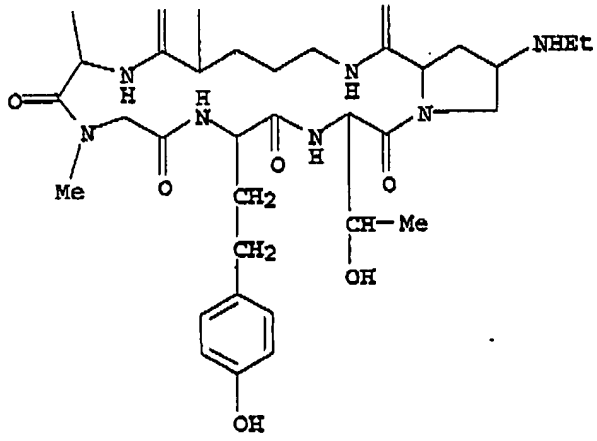
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN L-Proline, N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithyl-L-threonyl-N-methylglycyl-(.alpha.S)-.alpha.-amino-4-hydroxybenzenebutanoyl-L-threonyl-4-(ethylamino)-, (6.fwdarw.1)-lactam (9CI)
SQL 6
MF C57 H74 N8 O11

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PAGE 1-A

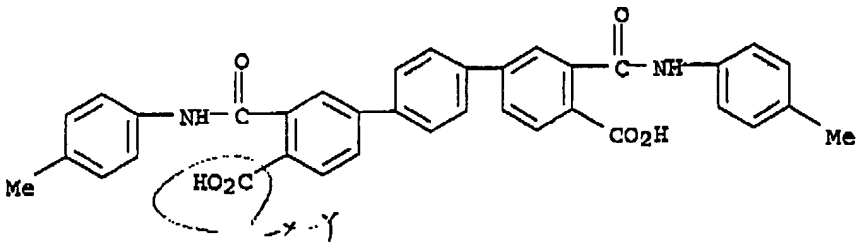


PAGE 2-A



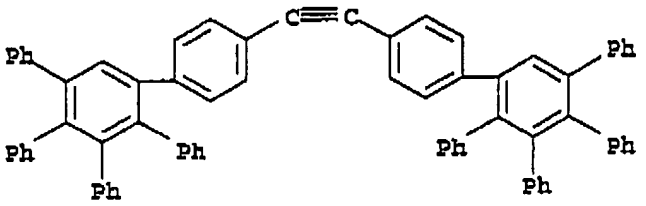
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4,4''-dicarboxylic acid, 3,3''-bis[[(4-methylphenyl)amino]carbonyl]- (9CI)
MF C36 H28 N2 O6

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7)

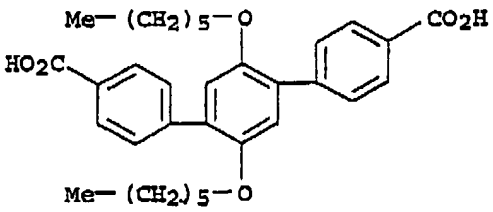
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':2',1''-Terphenyl, 4,4'''-(1,2-ethynediyl)bis[3',4',5'-triphenyl- (9CI)
MF C74 H50



8)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4,4''-dicarboxylic acid, 2',5'-bis(hexyloxy)-, polymer with 2',5'-bis(hexyloxy)[1,1':4',1''-terphenyl]-4,4''-diol (9CI)
MF (C32 H38 O6 . C30 H38 O4)x
CI PMS

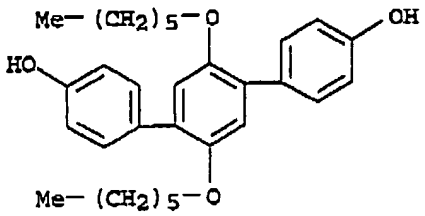
CM 1



7)

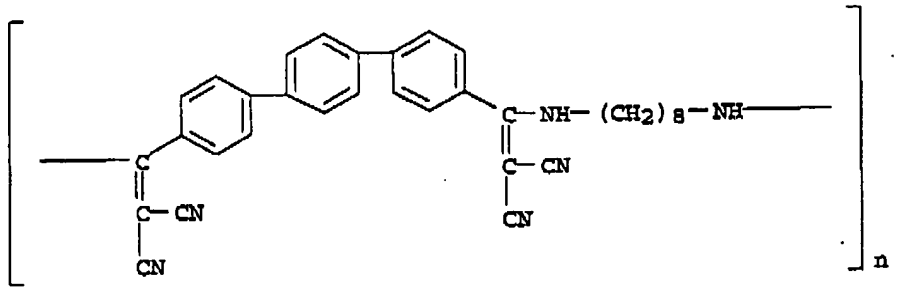
CM 2

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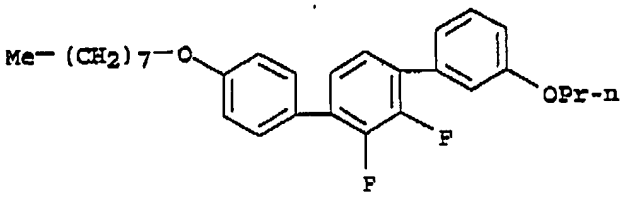
7)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN
Poly[imino-1,8-octanediylimino(dicyanoethenylidene)[1,1':4',1''-terphenyl]-4,4''-diyl(dicyanoethenylidene)] (9CI)
MF (C34 H30 N6)n
CI PMS



2)

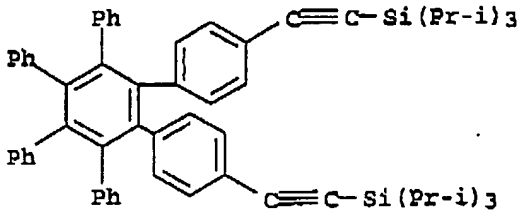
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2',3'-difluoro-4''-(octyloxy)-3-propoxy- (9CI)
MF C29 H34 F2 O2



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Silane,
[(3',4',5',6'-tetraphenyl[1,1':2',1''-terphenyl]-4,4''-diyl)di-2,1-ethynediyl]bis[tris(1-methylethyl)- (9CI)
MF C64 H70 Si2

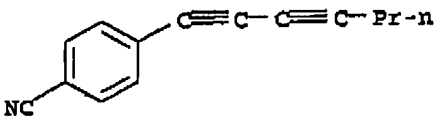
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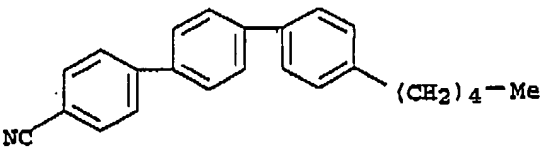
8)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-pentyl-, mixt. with 4-(1,3-heptadiynyl)benzonitrile, 4'-heptyl[1,1'-biphenyl]-4-carbonitrile, 4'-(octyloxy)[1,1'-biphenyl]-4-carbonitrile and
4'-p ntyl[1,1'-biphenyl]-4-carbonitrile (9CI)
MF C24 H23 N . C21 H25 N O . C20 H23 N . C18 H19 N . C14 H11 N
CI MXS

CM 1

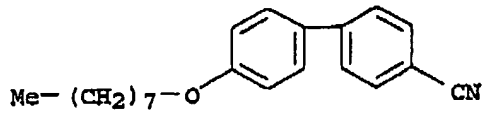


CM 2



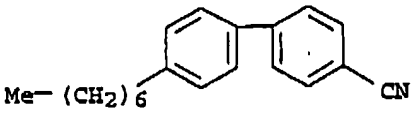
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CM 3

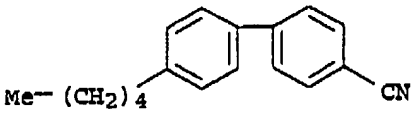


CM 4

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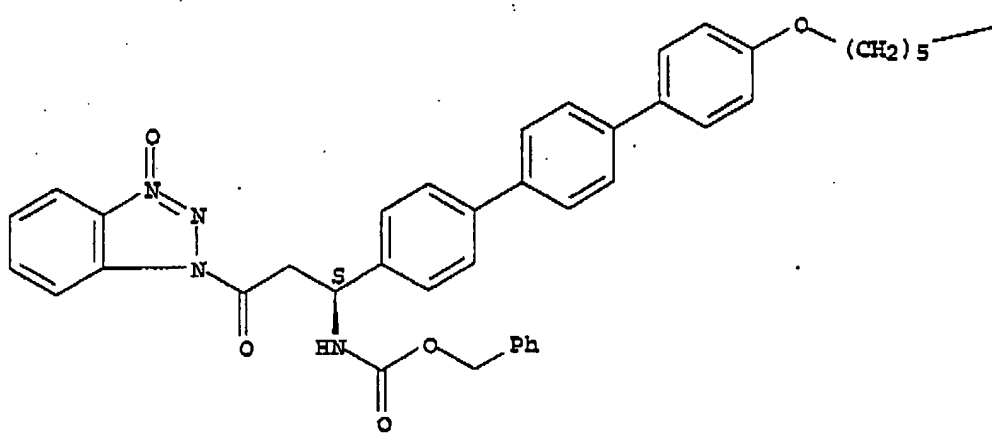
CM 5



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Carbamic acid,
[(1S)-1-[4''-[(5-methoxypentyl)oxy][1,1':4',1''-terphenyl]-
4-yl]-3-(3-oxido-1H-benzotriazol-1-yl)-3-oxopropyl]-, phenylmethyl ester
(9CI)
MF C41 H40 N4 O6

Absolute stereochemistry.

PAGE 1-A



3)

PAGE 1-B

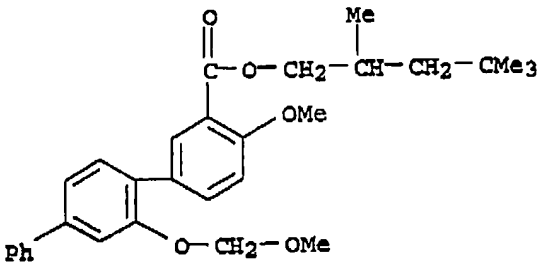
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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3-carboxylic acid,
4-methoxy-2'-(methoxymethoxy)-,

09/214,277

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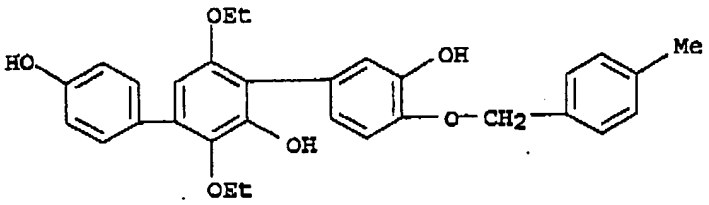
2,4,4-trimethylpentyl ester (9CI)
MF C30 H36 O5



5)

R^{13} - optionally substituted alkoxycarbonyl

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',6'-diethoxy-4-[(4-methylphenyl)methoxy]- (9CI)
MF C30 H30 O6



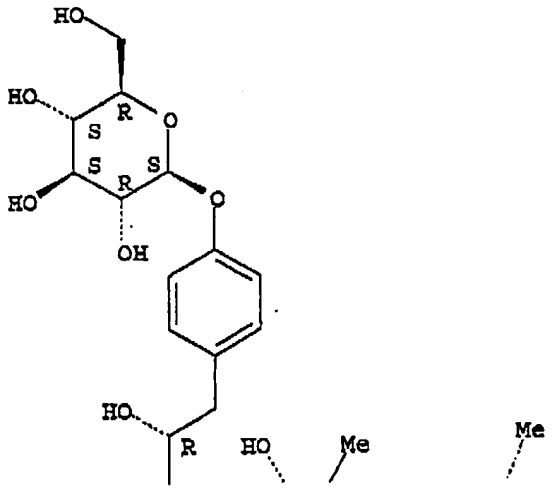
☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Cilofungin,
1-[(4R)-4-hydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-[4-(.beta.-D-glucopyranosyloxy)phenyl]-L-threonine]- (9CI)
SQL 6
MF C64 H83 N7 O20

Absolute stereochemistry.

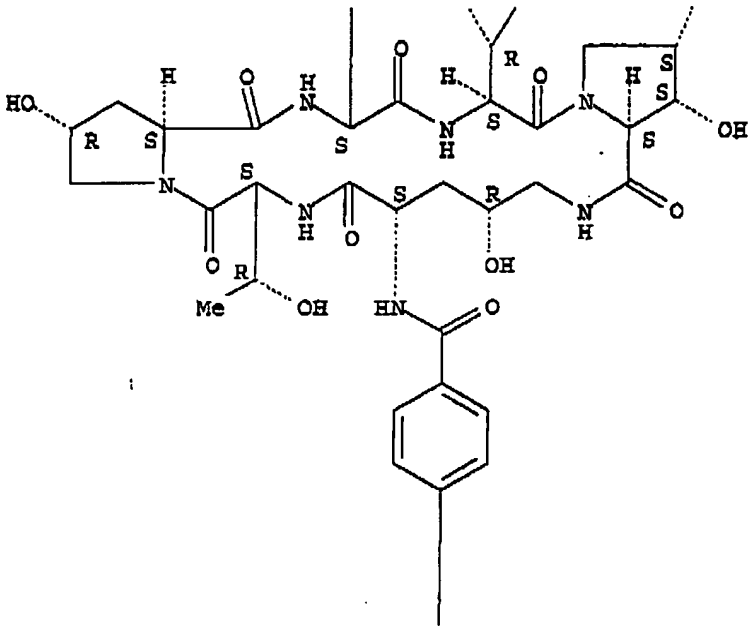
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PAGE 1-A

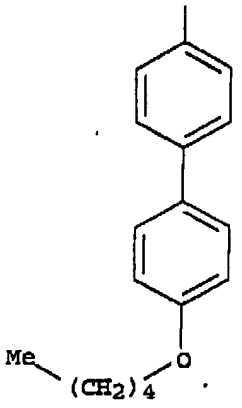


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PAGE 2-A

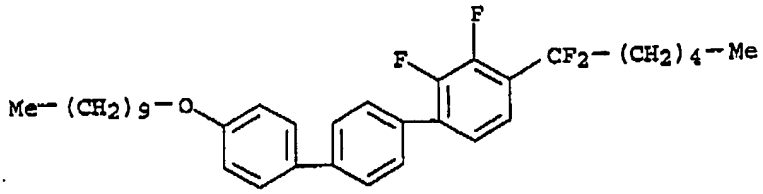


PAGE 3-A



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4''-(decyloxy)-4-(1,1-difluorohexyl)-2,3-difluoro-(9CI)
MF C34 H42 F4 O

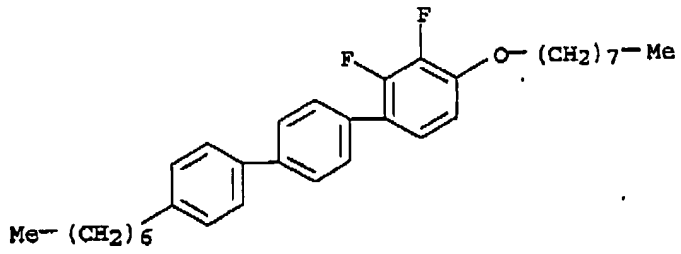
V. Balasubramanian



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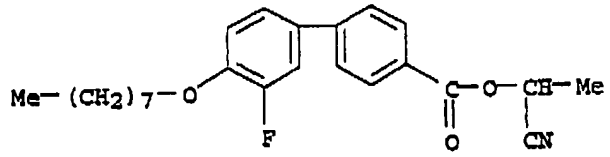
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1'-Biphenyl]-4-carboxylic acid, 3'-fluoro-4'-(octyloxy)-, 1-cyanoethyl ester, mixt. with
2',3'-difluoro-4-heptyl-4''-nonyl-1,1':4',1''-terphenyl,
2,3-difluoro-4''-heptyl-4-(octyloxy)-1,1':4',1''-terphenyl,
2,3-difluoro-4-(hexyloxy)-4''-pentyl-1,1':4',1''-terphenyl,
2,3-difluoro-4-(octyloxy)-4'-pentyl-1,1'-biphenyl, 2,3-difluoro-4-(octyloxy)-4''-pentyl-1,1':4',1''-terphenyl and 5-nonyl-2-[4-(nonyloxy)phenyl]pyrimidine (9CI)
MF C34 H44 F2 . C33 H42 F2 O . C31 H38 F2 O . C29 H34 F2 O . C28 H44 N2 O . C25 H34 F2 O . C24 H28 F N O3
CI MXS

CM 1



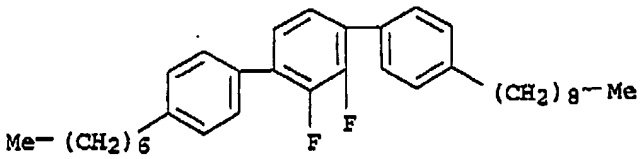
3)

CM 2



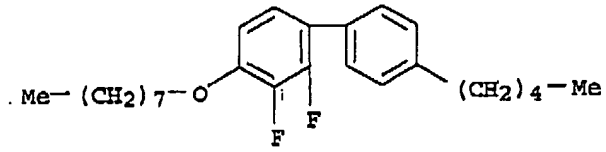
CM 3

V. Balasubramanian

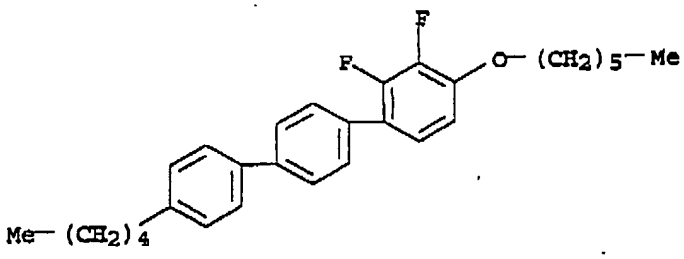


1)

CM 4

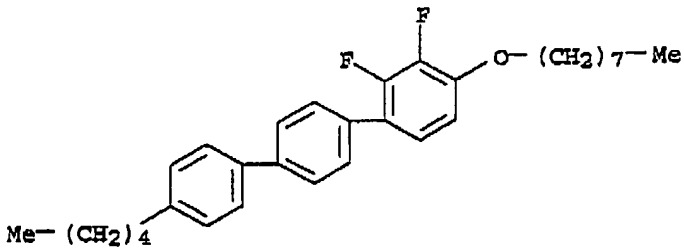


CM 5



3)

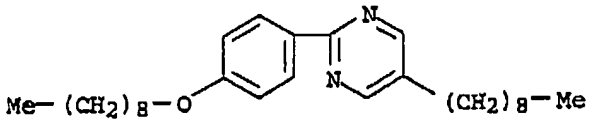
CM 6



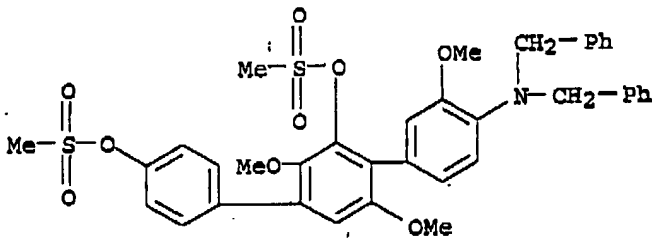
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CM 7

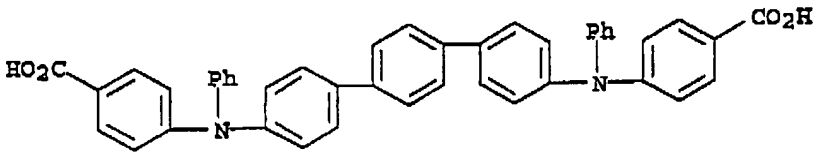
V. Balasubramanian



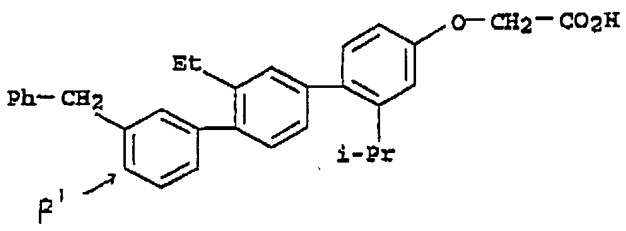
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',4''-diol, 4-[bis(phenylmethyl)amino]-3,3',6'-trimethoxy-, dimethanesulfonate (ester) (9CI)
MF C37 H37 N O9 S2



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Benzoic acid, 4,4'-[[1,1':4',1''-terphenyl]-4,4''-diylbis(phenylimino)]bis- (9CI)
MF C44 H32 N2 O4



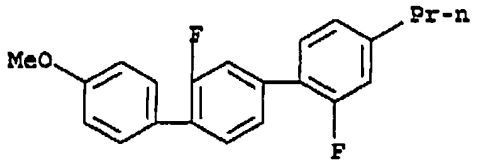
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C32 H32 O3
CI COM



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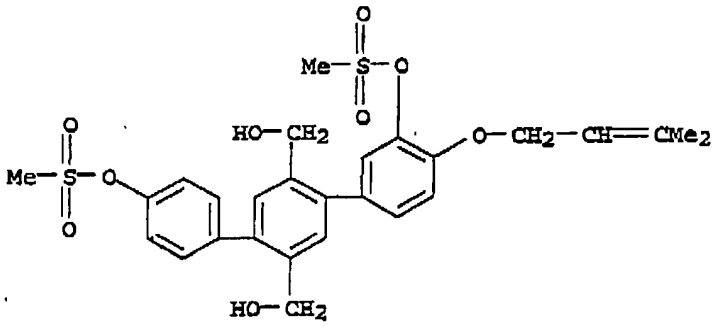
V. Balasubramanian

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2,3'-difluoro-4''-methoxy-4-propyl- (9CI)
MF C22 H20 F2 O



(1)

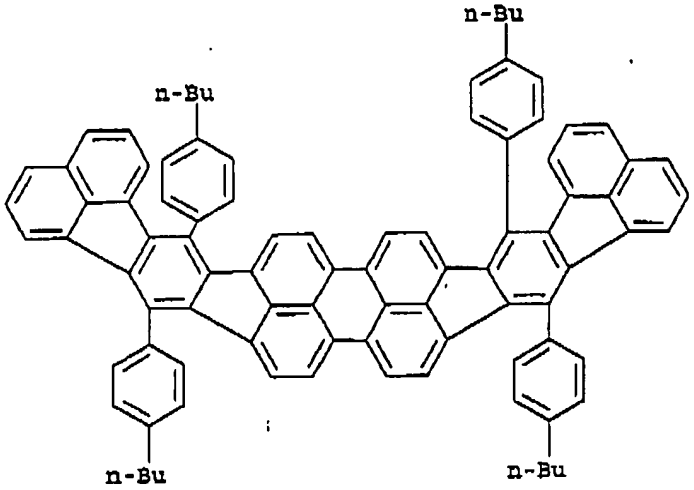
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',5'-dimethanol, 4-[(3-methyl-2-butenyl)oxy]-3,4''-bis[(methylsulfonyl)oxy]- (9CI)
MF C27 H30 O9 S2



* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Bisnaphth[1',8':5,6,7]-s-indaceno[1,2,3-cd:1',2',3'-lm]perylene, 4,9,16,21-tetrakis(4-butylphenyl)- (9CI)
MF C92 H72

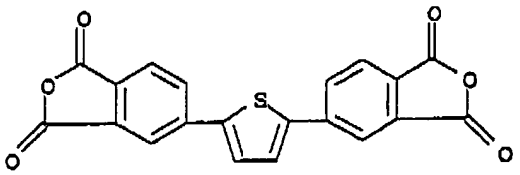
V. Balasubramanian



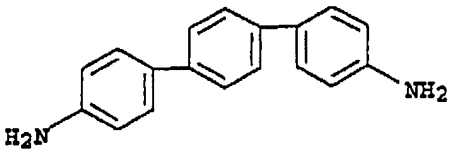
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,3-Isobenzofurandione, 5,5'-(2,5-thiophenediyl)bis-, polymer with [1,1':4',1''-terphenyl]-4,4''-diamine (9CI)
MF (C20 H8 O6 S . C18 H16 N2)x
CI PMS

CM 1



CM 2



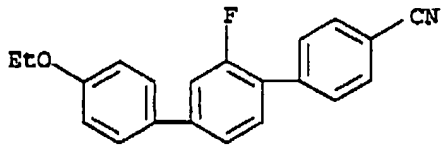
3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-ethoxy-2'-fluoro- (9CI)
MF C21 H16 F N O

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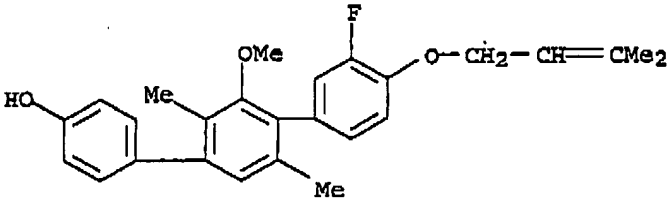
V. Balasubramanian

CI COM



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-ol, 3''-fluoro-3'-methoxy-2',5'-dimethyl-4''-[(3-methyl-2-butenyl)oxy]- (9CI)
MF C26 H27 F O3

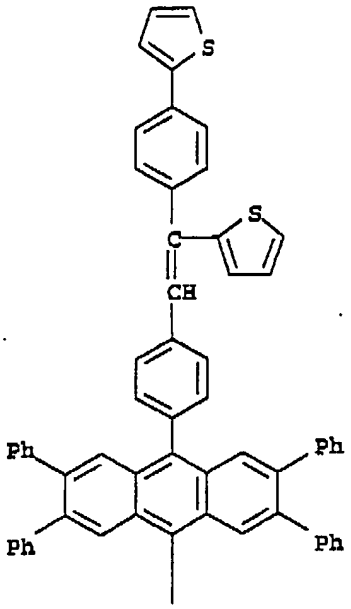


☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Thiophene, 2,2'-[(2,3,6,7-tetraphenyl-9,10-anthracenediyl)bis[4,1-phenylene[1-(2-thienyl)-2,1-ethenediyl]-4,1-phenylene]]bis- (9CI)
MF C82 H54 S4

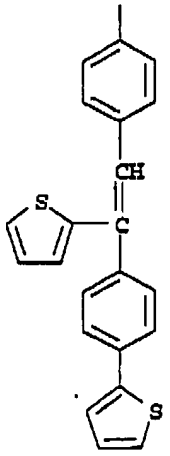
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9)

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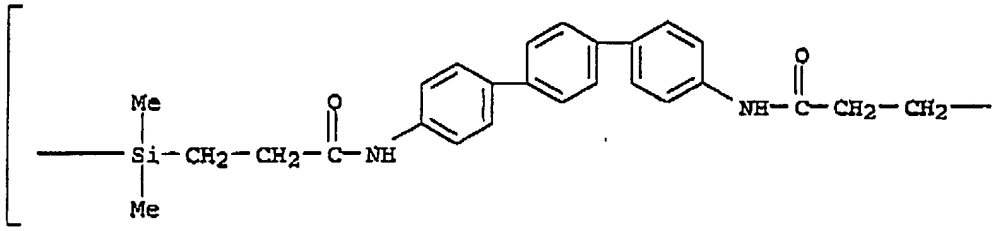


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2-Propenoic acid, 2-methyl-, 2-([1,1':4',1'':4'',1'''-quaterphenyl]-4-yloxy)ethyl ester, polymer with 2-ethylhexyl 2-propenoate (9CI)
MF (C30 H26 O3 . C11 H20 O2)x

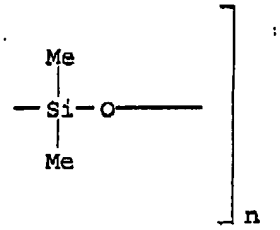
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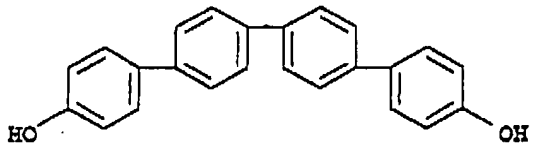


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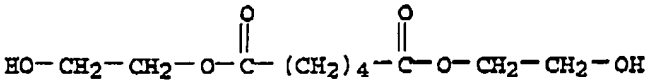


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Hexanedioic acid, bis(2-hydroxyethyl) ester, polymer with 1,6-hexanediol, 1,1'-methylenebis[4-isocyanatobenzene] and [1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diol (9CI)
MF (C24 H18 O2 . C15 H10 N2 O2 . C10 H18 O6 . C6 H14 O2)x
CI PMS

CM 1



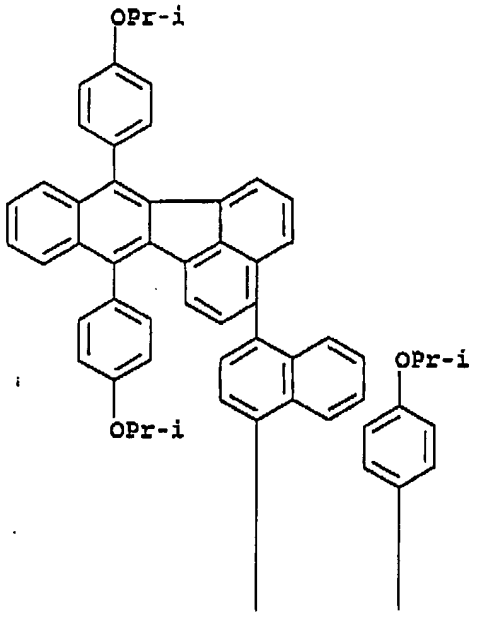
CM 2



CM 3

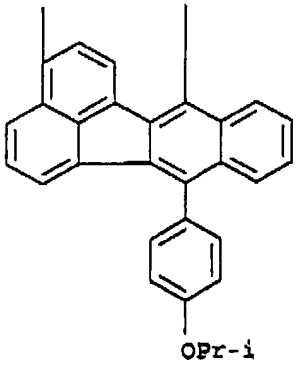
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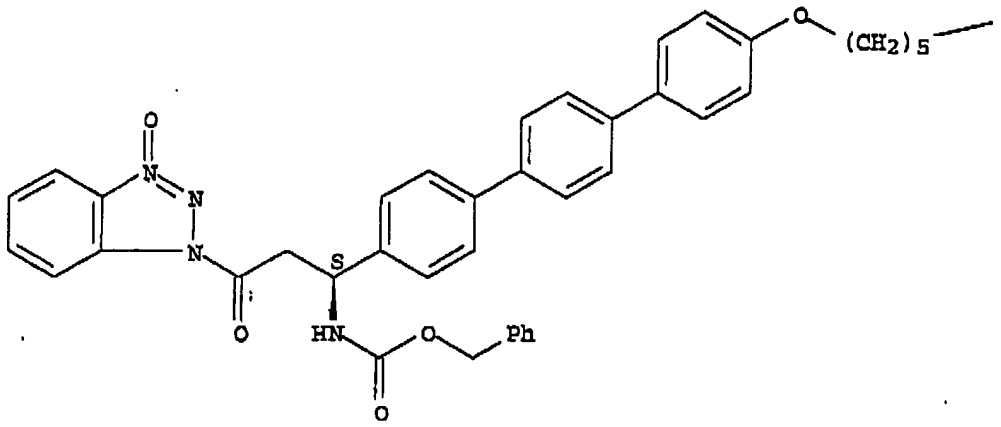
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Poly[oxy(dimethylsilylene)(3-oxo-1,3-propanediyl)imino[1,1':4',1''-terphenyl]-4,4''-diylimino(1-oxo-1,3-propanediyl)(dimethylsilylene)]
(9CI)
MF (C28 H34 N2 O3 Si2)n
CI PMS

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MF C41 H40 N4 O6

Absolute stereochemistry.

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3)

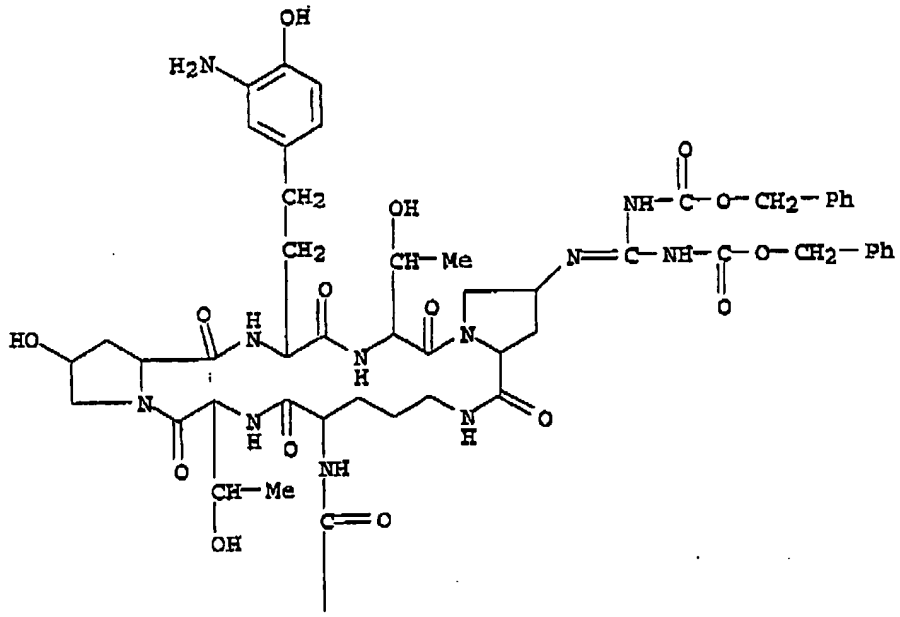
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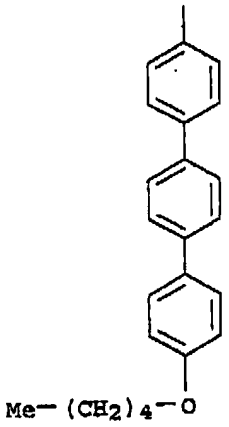
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C86 H68 O4

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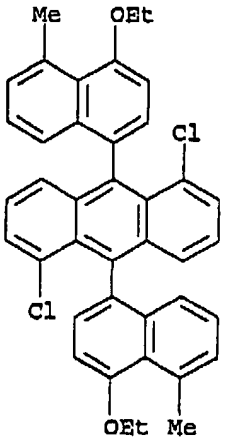


3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Carbamic acid,
[(1S)-1-[4''-[(5-methoxypentyl)oxy][1,1':4',1''-terphenyl]-
4-yl]-3-(3-oxido-1H-benzotriazol-1-yl)-3-oxopropyl]-, phenylmethyl ester
(9CI)

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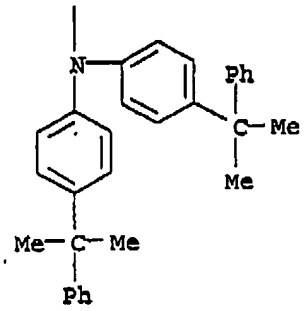


9)

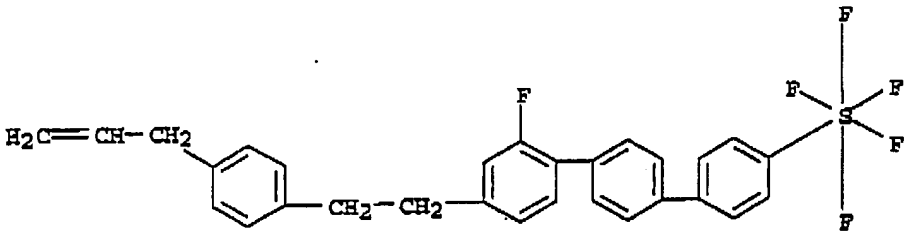
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Echinocandin D, 1-[N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[(.alpha.S)-.alpha.,3-diamino-4-hydroxybenzenebutanoic
acid]-6-[(4S)-4-[[bis[[(phenylmethoxy)carbonyl]aminomethylene]amino]-L-proline]- (9CI)
SQL 6
MF C74 H87 N11 O16

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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Sulfur,
pentafluoro[2''-fluoro-4''-[2-[4-(2-propenyl)phenyl]ethyl][1,1':4',1''-terphenyl]-4-yl]-, (OC-6-21)- (9CI)
MF C29 H24 F6 S

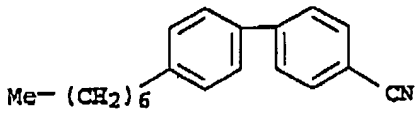


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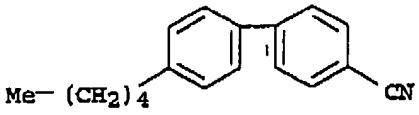
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Anthracene, 1,5-dichloro-9,10-bis(4-ethoxy-5-methyl-1-naphthalenyl)-(9CI)
MF C40 H32 Cl2 O2

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CM 4

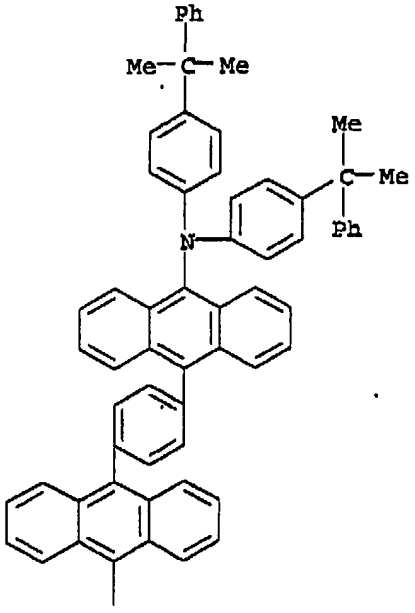


CM 5



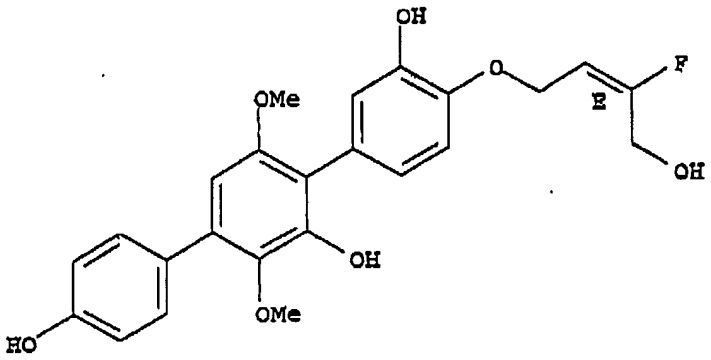
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 9-Anthracenamine, 10,10'-(1,4-phenylene)bis[N,N-bis[4-(1-methyl-1-phenylethyl)phenyl]- (9CI)
MF C94 H90 N2

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9)

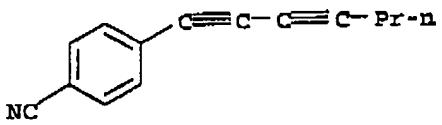
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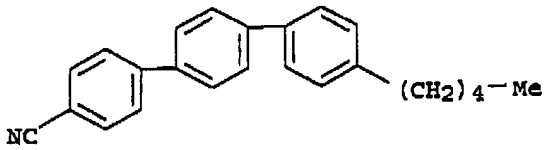
* See Appendix 4

L3 50 ANSWERS : REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-pentyl-, mixt. with 4-(1,3-heptadiynyl)benzonitrile, 4'-heptyl[1,1'-biphenyl]-4-carbonitrile, 4'-(octyloxy)[1,1'-biphenyl]-4-carbonitrile and 4'-pentyl[1,1'-biphenyl]-4-carbonitrile (9CI)
MF C24 H23 N . C21 H25 N O . C20 H23 N . C18 H19 N . C14 H11 N
CI MXS

CM 1

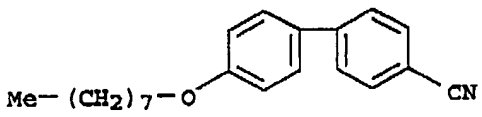


CM 2

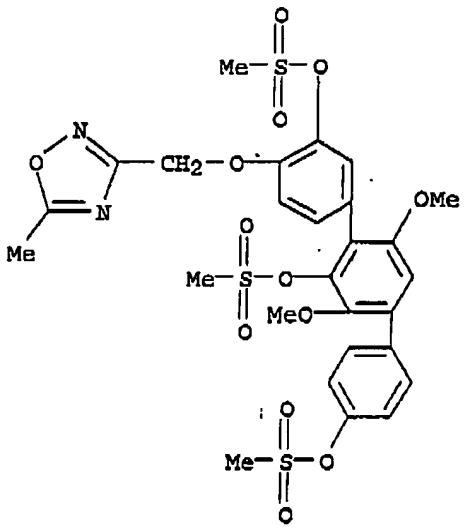


2)

CM 3

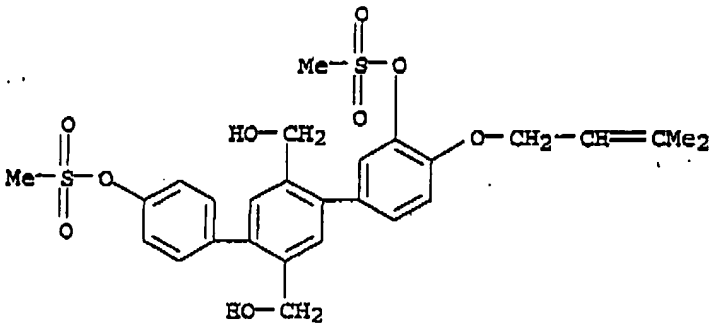


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☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',5'-dimethanol, 4-[(3-methyl-2-butenyl)oxy]-3,4''-bis[(methylsulfonyl)oxy]- (9CI)
MF C27 H30 O9 S2



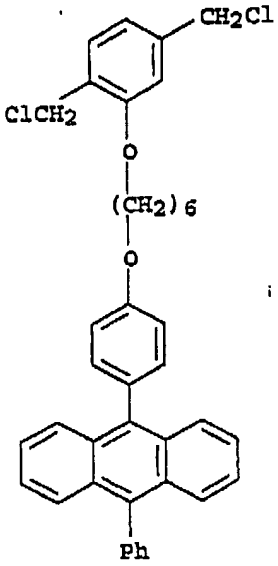
☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-[(3-fluoro-4-hydroxy-2-butenyl)oxy]-3',6'-dimethoxy-, (E)- (9CI)
MF C24 H23 F O7

Double bond geometry as shown.

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phenyl- (9CI)
MF C40 H36 Cl2 O2



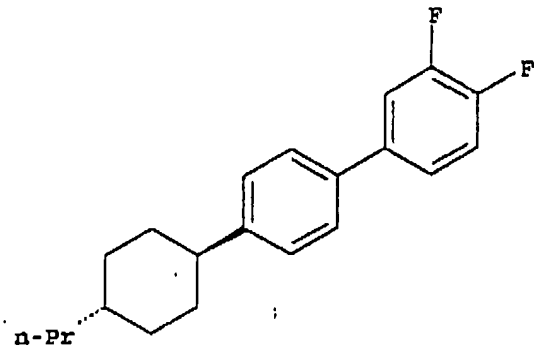
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',6'-dimethoxy-4-[(5-methyl-1,2,4-oxadiazol-3-yl)methoxy]-, trimethanesulfonate (ester) (9CI)
MF C27 H28 N2 O13 S3

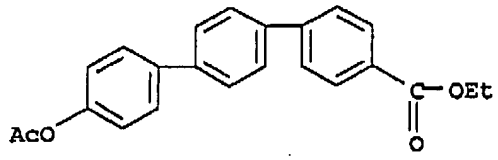
V. Balasubramanian

CM 8

Relative stereochemistry.

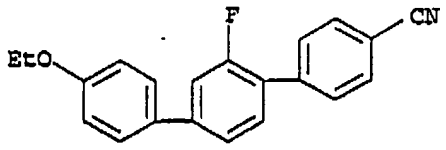


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carboxylic acid, 4''-(acetyloxy)-, ethyl ester (9CI)
MF C23 H20 O4



3)

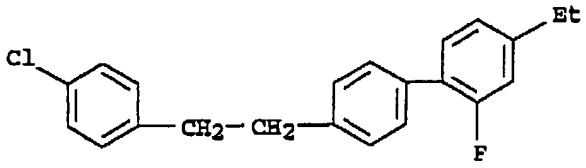
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-ethoxy-2'-fluoro- (9CI)
MF C21 H16 F N O
CI COM



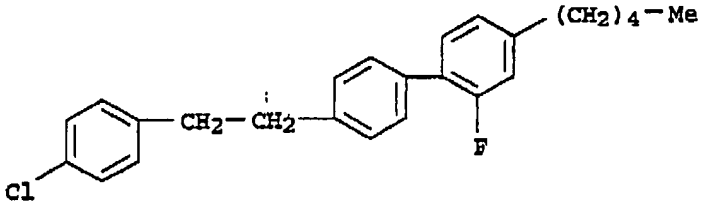
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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Anthracene, 9-[4-[[6-[2,5-bis(chloromethyl)phenoxy]hexyl]oxy]phenyl]-10-

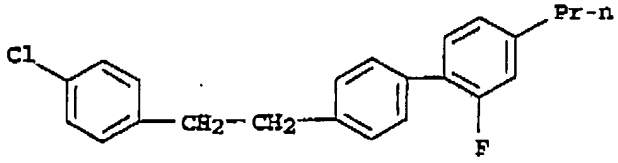
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CM 5

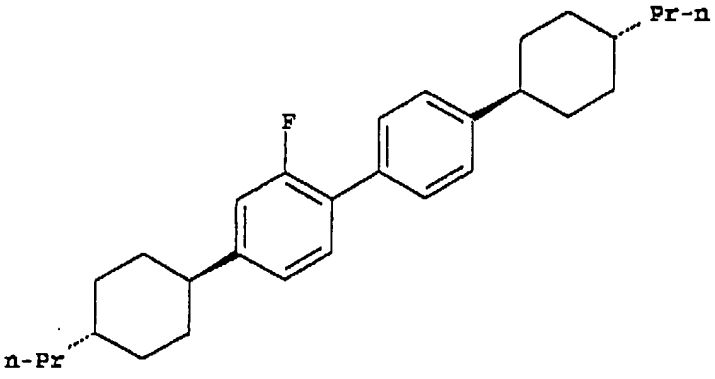


CM 6



CM 7

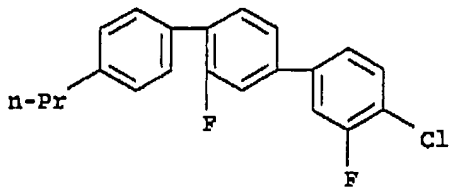
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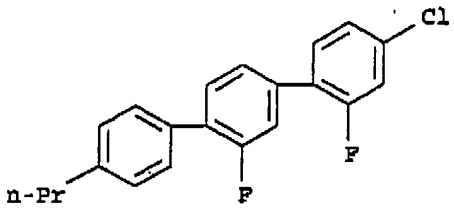
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H24 F2 . C21 H17 Cl F2 . C21 H17 Cl F2
CI MXS

CM 1

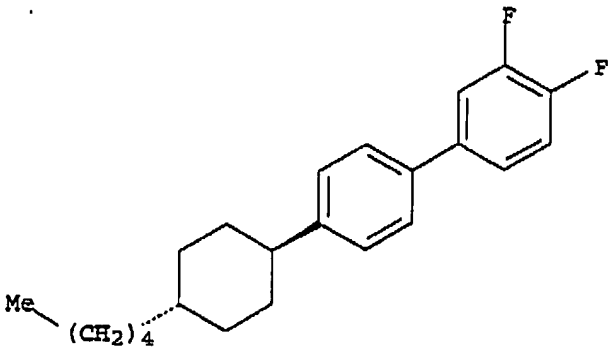


CM 2



CM 3

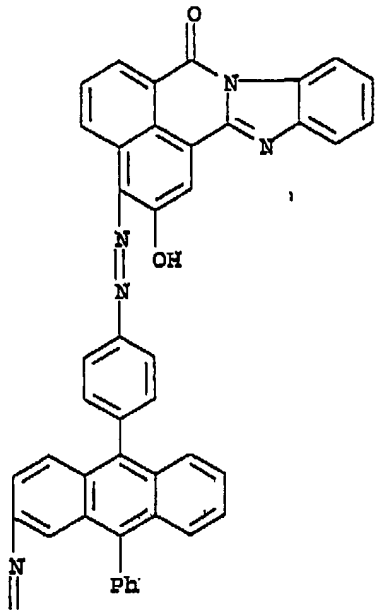
Relative stereochemistry.



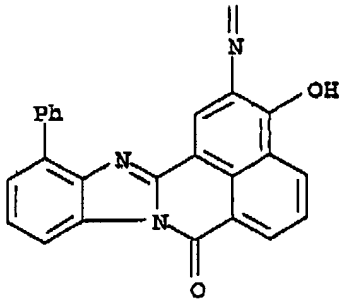
CM 4

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PAGE 1-A



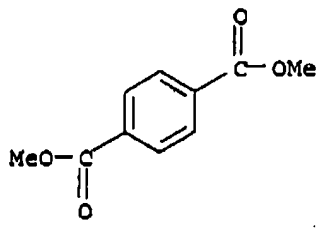
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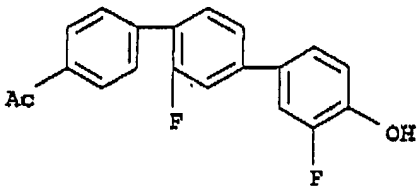
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4''-chloro-2',2''-difluoro-4-propyl-, mixt. with 4''-chloro-2',3''-difluoro-4-propyl-1,1':4',1''-terphenyl, 4'-[2-(4-chlorophenyl)ethyl]-4-ethyl-2-fluoro-1,1'-biphenyl, 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-pentyl-1,1'-biphenyl, 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-propyl-1,1'-biphenyl, trans-3,4-difluoro-4'-(4-pentylcyclohexyl)-1,1'-biphenyl, trans-3,4-difluoro-4'-(4-propylcyclohexyl)-1,1'-biphenyl and [trans(trans)]-2-fluoro-4,4'-bis(4-propylcyclohexyl)-1,1'-biphenyl (9CI)
MF C30 H41 F . C25 H26 Cl F . C23 H28 F2 . C23 H22 Cl F . C22 H20 Cl F . C21

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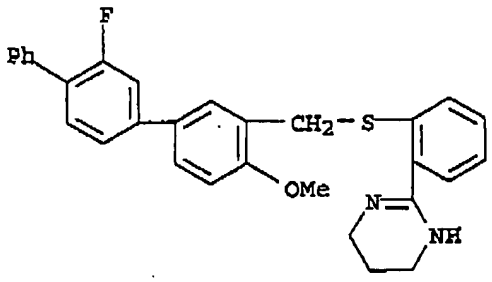
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Ethanone, 1-(2',3''-difluoro-4''-hydroxy[1,1':4',1''-terphenyl]-4-yl)- (9CI)
MF C20 H14 F2 O2



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 7H-Benzimidazo[2,1-a]benz[de]isoquinolin-7-one, 3-hydroxy-2-[[10-[4-[(2-hydroxy-7-oxo-7H-benzimidazo[2,1-a]benz[de]isoquinolin-3-yl)azo]phenyl]-9-phenyl-2-anthracenyl]azo]-12-phenyl- (9CI)
MF C68 H38 N8 O4

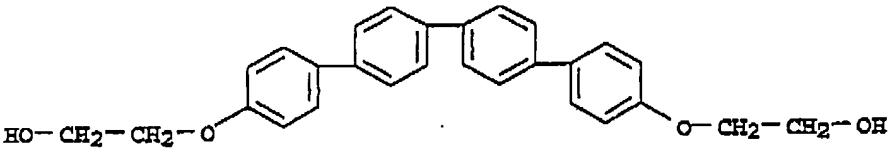
V. Balasubramanian



1)

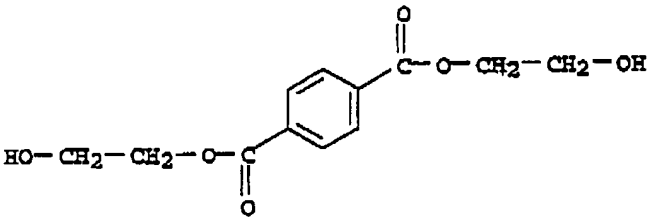
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,4-Benzenedicarboxylic acid, bis(2-hydroxyethyl) ester, polymer with dimethyl 1,4-benzenedicarboxylate and 2,2'-[[1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diylbis(oxy)]bis[ethanol] (9CI)
MF (C28 H26 O4 . C12 H14 O6 . C10 H10 O4)x
CI PMS

CM 1



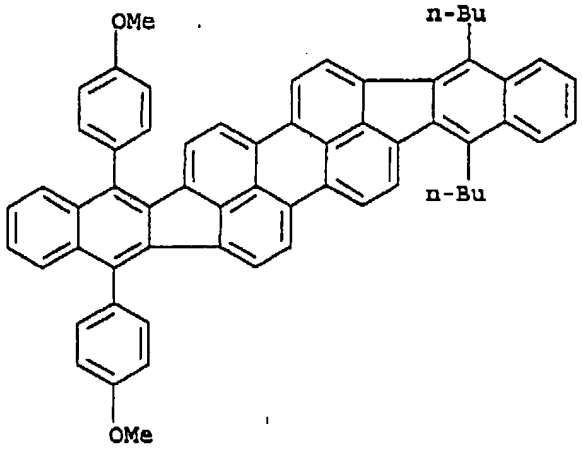
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CM 2



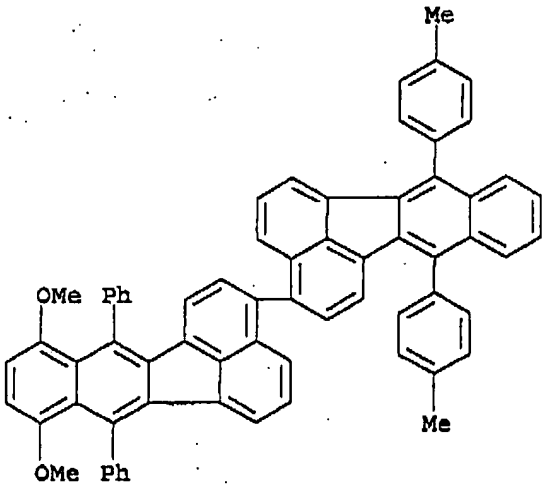
CM 3

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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 3,3'-Bibenzo[k]fluoranthene, 8,11-dimethoxy-7',12'-bis(4-methylphenyl)-7,12-diphenyl- (9CI)
MF C68 H46 O2

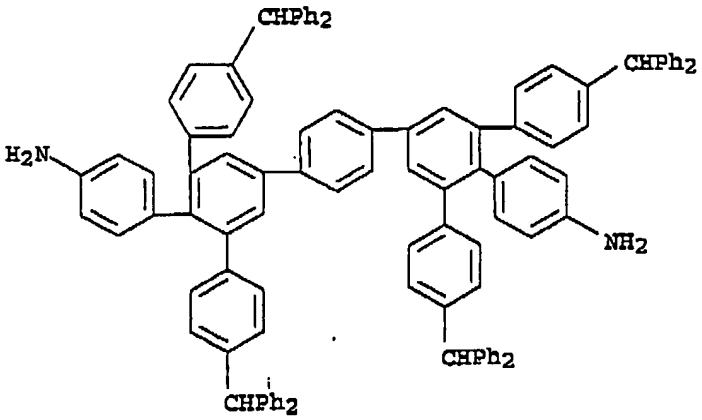


9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Pyrimidine, 2-[2-[[(3'-fluoro-4-methoxy[1,1':4',1''-terphenyl]-3-yl)methyl]thio]phenyl]-1,4,5,6-tetrahydro- (9CI)
MF C30 H27 F N2 O S
CI COM

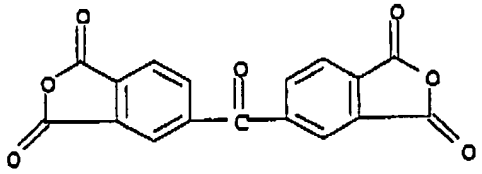
09/214,277

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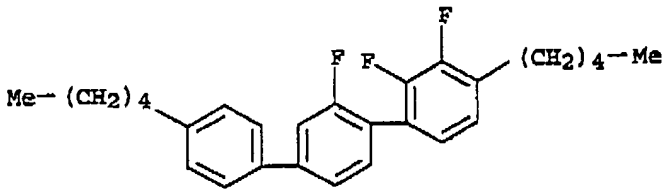


5)
R13=H

CM 2



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2,2',3-trifluoro-4,4''-dipentyl- (9CI)
MF C28 H31 F3

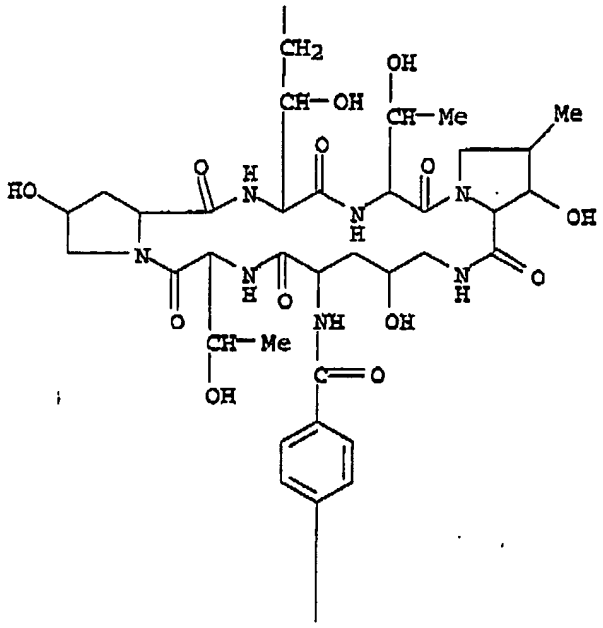


1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Bisbenz[5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene,
5,20-dibutyl-10,15-bis(4-
methoxyphenyl)- (9CI)
MF C62 H48 O2

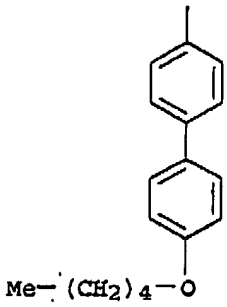
V. Balasubramanian

PAGE 2-A



3)

PAGE 3-A



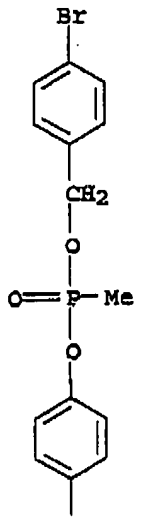
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,3-Isobenzofurandione, 5,5'-carbonylbis-, polymer with

2',3''',5''',6'-tetrakis[4-(diphenylmethyl)phenyl][1,1':4',1'',4'',1''':4'
'',1''''-quinquephenyl]-4,4''''-diamine (9CI)
MF (C106 H80 N2 . C17 H6 O7)x
CI PMS

CM 1

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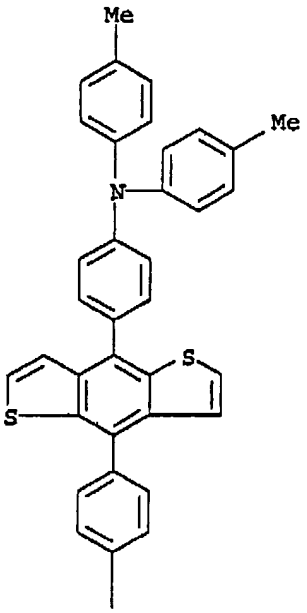
PAGE 1-A



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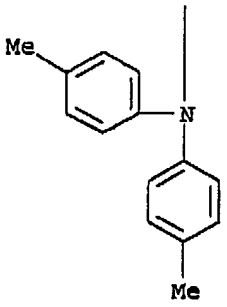
methylphenyl)- (9CI)
MF C50 H40 N2 S2

PAGE 1-A



5)

PAGE 2-A

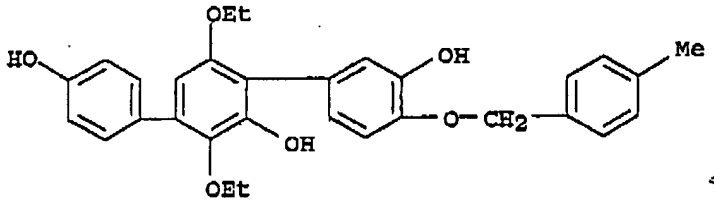


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Echinocandin C, 1-[(4R)-4-hydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-, 44-[(4-bromophenyl)methyl methylphosphonate] (9CI)
SQL 6
MF C66 H81 Br N7 O17 P

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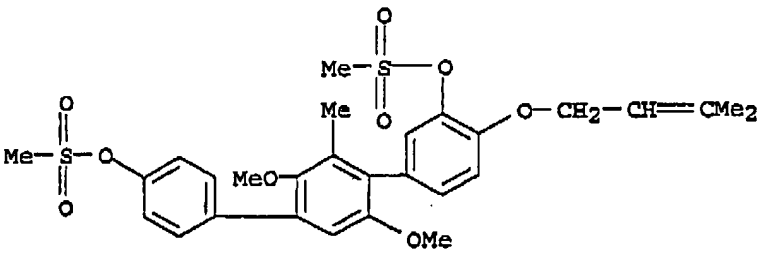
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IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',6'-diethoxy-4-[(4-methylphenyl)methoxy]- (9CI)
MF C30 H30 O6



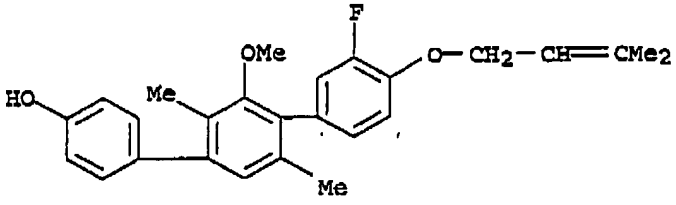
☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3,4''-diol, 3',6'-dimethoxy-2'-methyl-4-[(3-methyl-2-butenyl)oxy]-, dimethanesulfonate (9CI)
MF C28 H32 O9 S2



☆ See Appendix 4

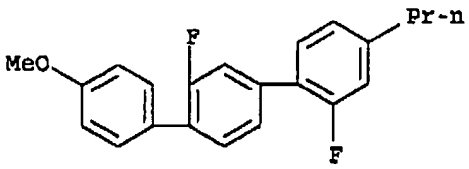
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-ol, 3''-fluoro-3'-methoxy-2',5'-dimethyl-4''-[(3-methyl-2-butenyl)oxy]- (9CI)
MF C26 H27 F O3



☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Benzenamine, 4,4'-benzo[1,2-b:4,5-b']dithiophene-4,8-diylbis[N,N-bis(4-

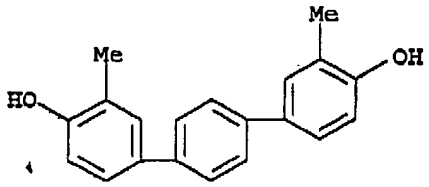
V. Balasubramanian



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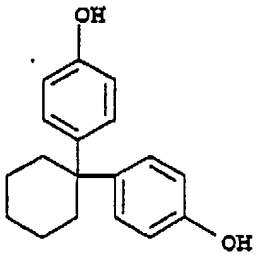
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Carbonic acid, polymer with 4,4'-cyclohexylidenebis[phenol] and 3,3''-dimethyl[1,1':4',1''-terphenyl]-4,4''-diol (9CI)
MF (C20 H18 O2 . C18 H20 O2 . C H2 O3)x
CI PMS

CM 1

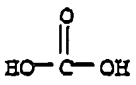


2)

CM 2



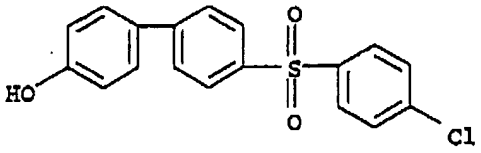
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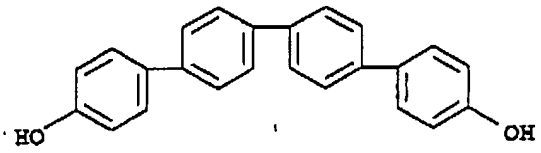
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

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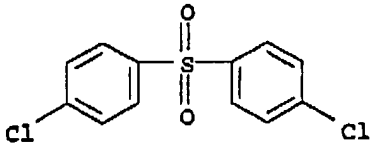


CM 3



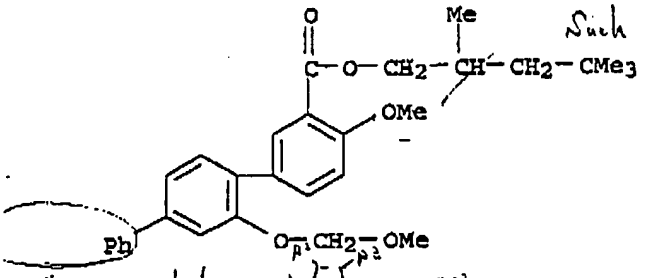
3)

CM 4



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3-carboxylic acid, 4-methoxy-2'-(methoxymethoxy)-, 2,4,4-trimethylpentyl ester (9CI)
MF C30 H36 O5

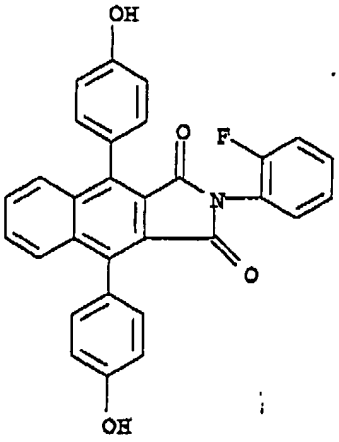
If this is regarded as R^1, R^{1a} = H
Such compounds are not included in claims because of 5).



If this is regarded as R^1-$\underset{R^{1a}}{\overset{R^{1b}}{C}}$-$O_t$-$R^5$, R^{1a} is COOR. Such compounds are not included in claims because of 5-2.

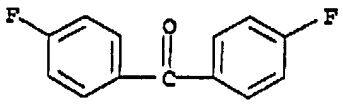
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2,3'-difluoro-4''-methoxy-4-propyl- (9CI)
MF C22 H20 F2 O

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9)

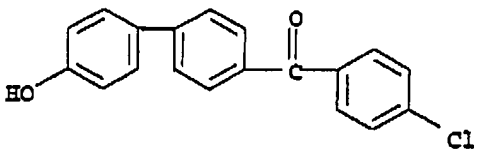
CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):49

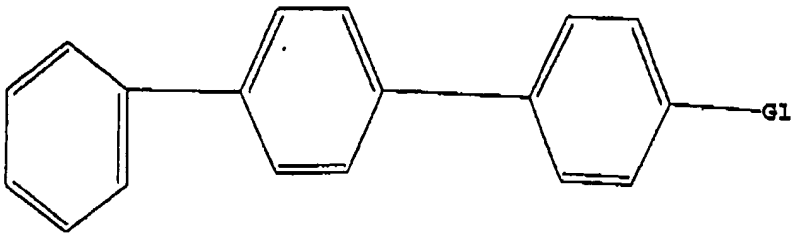
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Methanone, (4-chlorophenyl)(4'-hydroxy[1,1'-biphenyl]-4-yl)-, polymer with
4'-[(4-chlorophenyl)sulfonyl][1,1'-biphenyl]-4-ol, [1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diol and 1,1'-sulfonylbis[4-chlorobenzene] (9CI)
MF (C24 H18 O2 . C19 H13 Cl O2 . C18 H13 Cl O3 S . C12 H8 Cl2 O2 S)x
CI PMS

CM 1



CM 2

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G1 O,N,CH2,S

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 09:53:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   6048 TO ITERATE

 16.5% PROCESSED    1000 ITERATIONS                          50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       116303 TO   125617
PROJECTED ANSWERS:            6561 TO     8921

L3            50 SEA SSS SAM L1

=> d scan

L3   50 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   1H-Benz[f]isoindole-1,3(2H)-dione, 2-(2-fluorophenyl)-4,9-bis(4-
     hydroxyphenyl)-, polymer with bis(4-fluorophenyl)methanone (9CI)
MF   (C30 H18 F N O4 . C13 H8 F2 O)x
CI   PMS

     CM   1
```

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FILE 'HOME' ENTERED AT 09:52:22 ON 18 SEP 2001

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 09:52:29 ON 18 SEP 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

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ENTER SCREEN EXPRESSION OR (END):end

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L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> d l1
L1 HAS NO ANSWERS
L1 STR

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FULL ESTIMATED COST 0.93 1.08

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Welcome to STN International! Enter x:x
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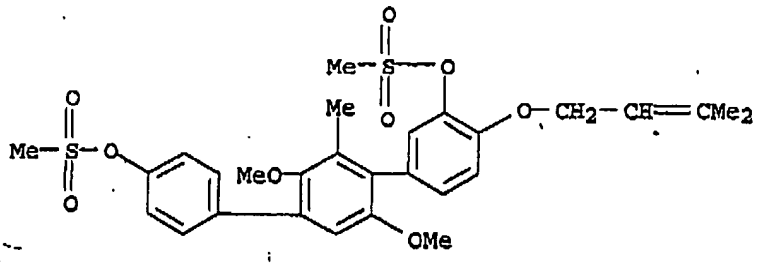
* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS 3	Feb 06	Engineering Information Encompass files have new names
NEWS 4	Feb 16	TOXLINE no longer being updated
NEWS 5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS 6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7	May 07	DGENE Reload
NEWS 8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS 9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS 10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS 11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS 12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS 13	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH

NEWS EXPRESS	August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

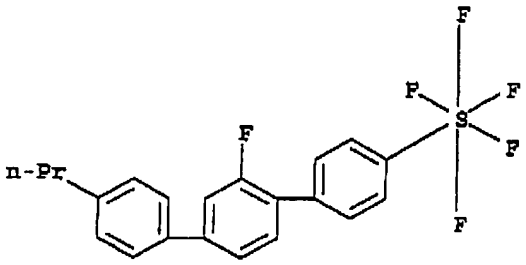
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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3,4''-diol, 3',6'-dimethoxy-2'-methyl-4-[(3-methyl-2-butenyl)oxy]-, dimethanesulfonate (9CI)
MF C28 H32 O9 S2



* See Appendix 4.

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Sulfur, pentafluoro(2'-fluoro-4''-propyl[1,1':4',1''-terphenyl]-4-yl)-, (OC-6-21)- (9CI)
MF C21 H18 F6 S



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Palladium, bis[bis(2-methylbutyl)phenylphosphine]bromo[3''''-methyl-5,5',5'',5''',5'''',8,8',8'',8''',8''''-decakis(4-methylphenyl)[2,2':3',2'':3'',2''':3''',2''''-quinquequinoxalin]-3-yl]-, [SP-4-2-[S-(R*,R*)],[S-(R*,R*)]]- (9CI)
MF C143 H137 Br N10 P2 Pd
CI CCS, COM

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

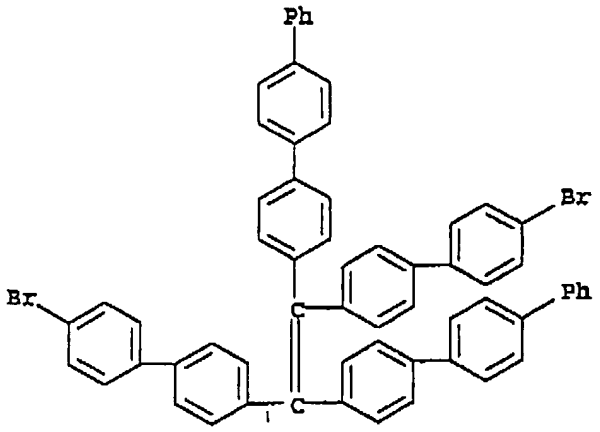
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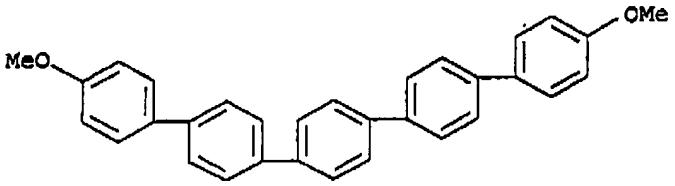
09/214,277

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3)

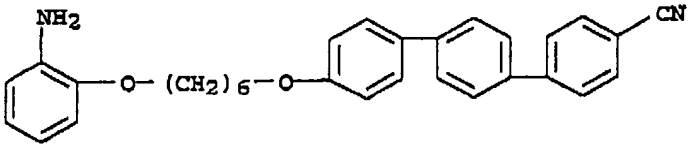
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1'':4'',1''':4''',1'''':4'''',1''''-Quinquephenyl, 4,4''''-dimethoxy- (9CI)
MF C32 H26 O2



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbonitrile,
4''-[[6-(2-aminophenoxy)hexyl]oxy]-
, homopolymer (9CI)
MF (C31 H30 N2 O2)x
CI PMS

CM 1



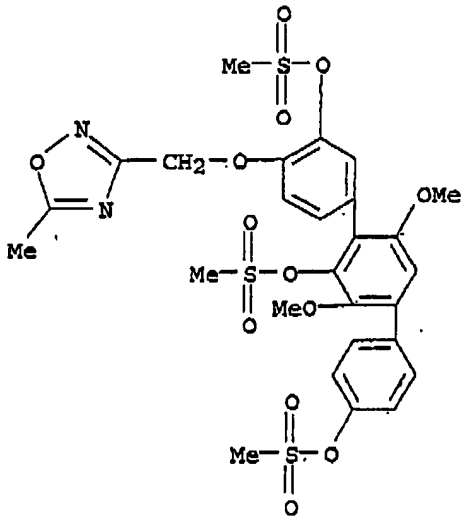
3)

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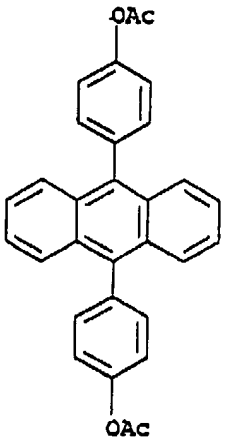
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',6'-dimethoxy-4-[(5-methyl-1,2,4-oxadiazol-3-yl)methoxy]-, trimethanesulfonate (ester) (9CI)
MF C27 H28 N2 O13 S3



☒ See Appendix 4

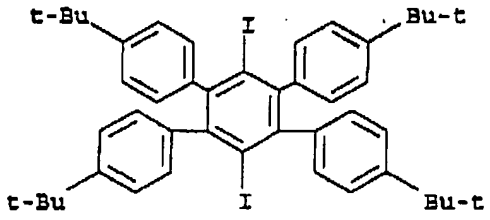
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4,4'''-[1,2-bis(4'-bromo[1,1'-biphenyl]-4-yl)-1,2-ethenediyl]bis- (9CI)
MF C62 H42 Br2

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9)

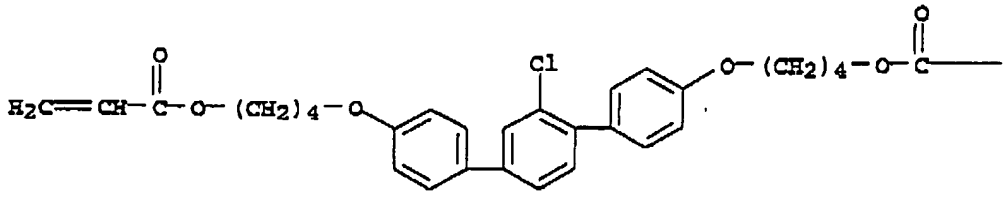
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':2',1''-Terphenyl, 4,4''-bis(1,1-dimethylethyl)-4',5'-bis[4-(1,1-dimethylethyl)phenyl]-3',6'-diiodo- (9CI)
MF C46 H52 I2



5)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2-Propenoic acid, (2'-chloro[1,1':4',1''-terphenyl]-4,4''-diyl)bis(oxy-4,1-butanediyl) ester (9CI)
MF C32 H33 Cl O6

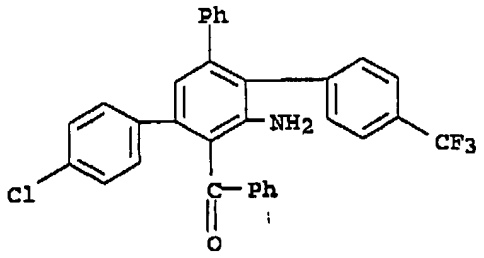
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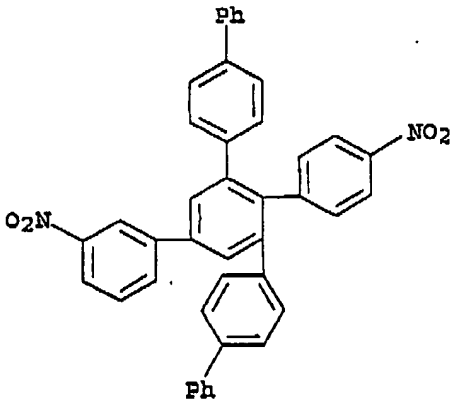
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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Methanone,
[3'-amino-5'-(4-chlorophenyl)-4''-(trifluoromethyl)[1,1':2',1''-terphenyl]-4'-yl]phenyl- (9CI)
MF C32 H21 Cl F3 N O



5)
R^{13} = H

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1'':3'',1''':4''',1''''-Quinquephenyl,
5''-(3-nitrophenyl)-2''-(4-nitrophenyl)- (9CI)
MF C42 H28 N2 O4

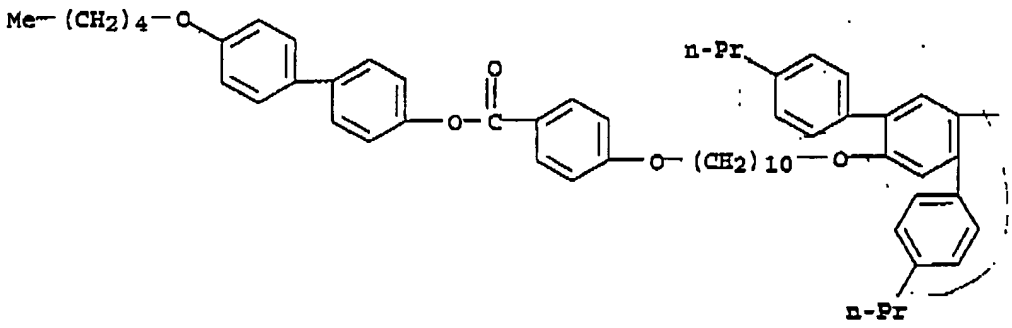


5)
R^{13} = H

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Phenol, 4,4'-(9,10-anthracenediyl)bis-, diacetate (9CI)
MF C30 H22 O4
CI COM

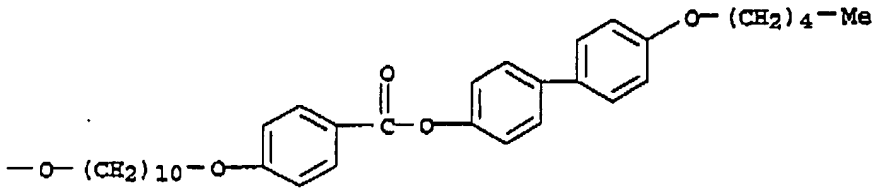
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PAGE 1-A

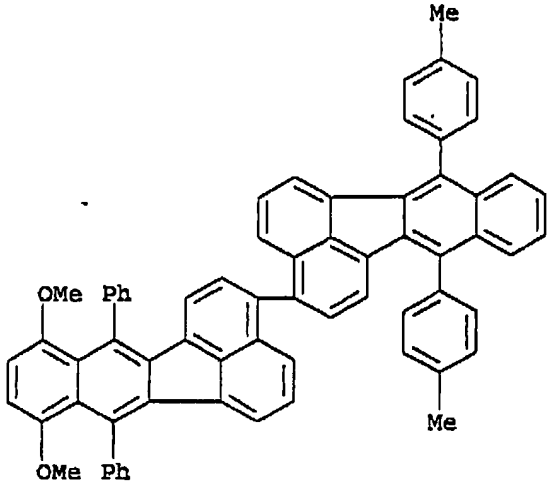


5)
R13=H

PAGE 1-B

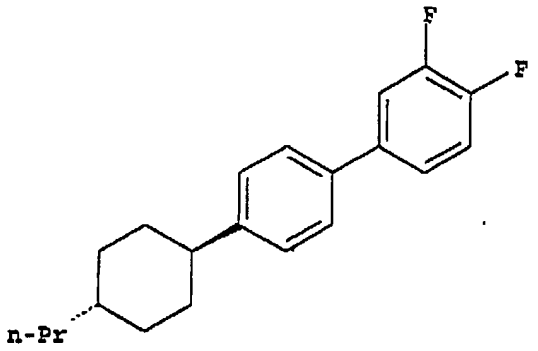


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 3,3'-Bibenzo[k]fluoranthene, 8,11-dimethoxy-7',12'-bis(4-methylphenyl)-7,12-diphenyl- (9CI)
MF C68 H46 O2

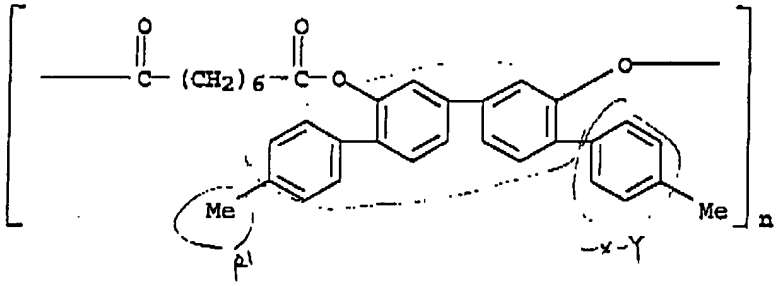


9)

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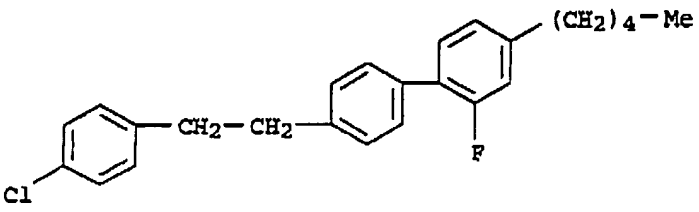
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Poly[oxy(4,4'''-dimethyl[1,1':4',1'':4'',1'''-quaterphenyl]-2',3''-diyl)oxy(1,8-dioxo-1,8-octanediyl)] (9CI)
MF (C34 H32 O4)n
CI PMS



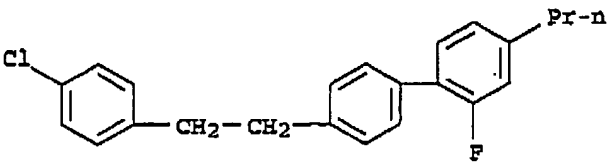
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Benzoic acid, 4,4'-[(4,4''-dipropyl[1,1':4',1''-terphenyl]-2',5'-diyl)bis(oxy-10,1-decanediyloxy)]bis-, bis[4'-(pentyloxy)[1,1'-biphenyl]-4-yl] ester (9CI)
MF C92 H110 O10

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CM 5

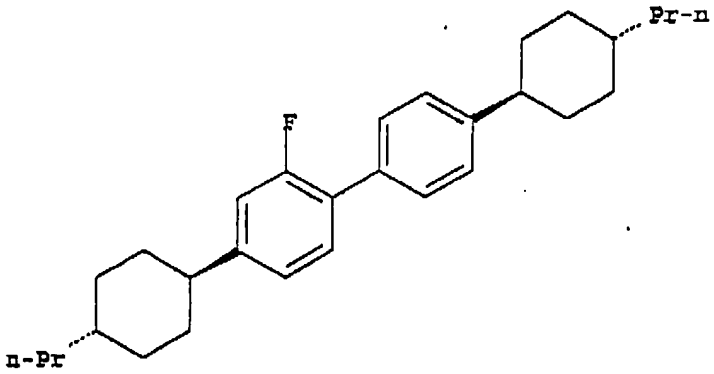


CM 6



CM 7

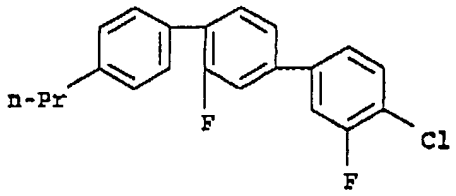
Relative stereochemistry.



CM 8

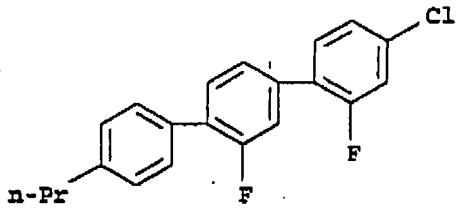
Relative stereochemistry.

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1)

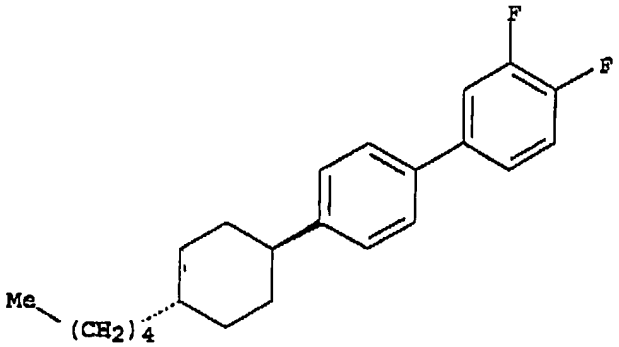
CM 2



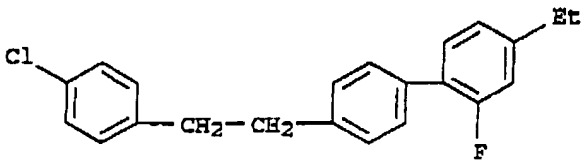
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CM 3

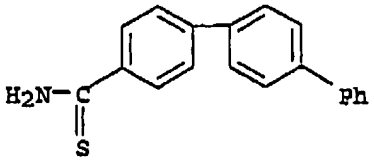
Relative stereochemistry.



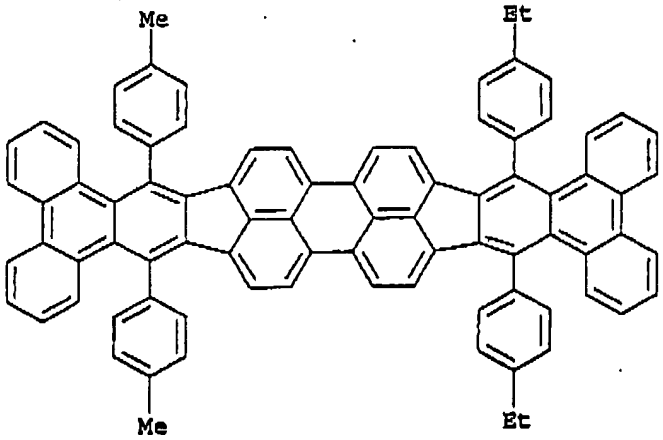
CM 4



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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Bisphenanthro[9',10':5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene, 9,28-bis(4-ethylphenyl)-14,23-bis(4-methylphenyl)- (9CI)
MF C86 H56



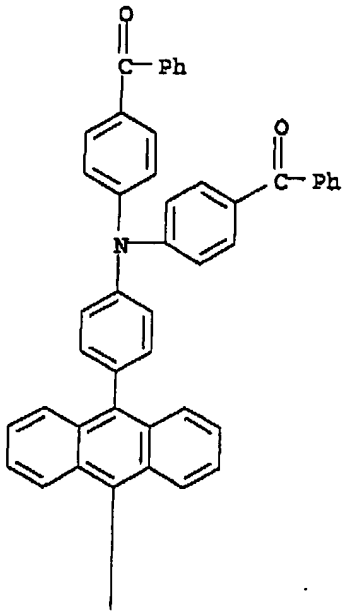
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4''-chloro-2',2''-difluoro-4-propyl-, mixt. with 4''-chloro-2',3''-difluoro-4-propyl-1,1':4',1''-terphenyl, 4'-[2-(4-chlorophenyl)ethyl]-4-ethyl-2-fluoro-1,1'-biphenyl, 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-pentyl-1,1'-biphenyl, 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-propyl-1,1'-biphenyl, trans-3,4-difluoro-4'-(4-pentylcyclohexyl)-1,1'-biphenyl, trans-3,4-difluoro-4'-(4-propylcyclohexyl)-1,1'-biphenyl and [trans(trans)]-2-fluoro-4,4'-bis(4-propylcyclohexyl)-1,1'-biphenyl (9CI)
MF C30 H41 F . C25 H26 Cl F . C23 H28 F2 . C23 H22 Cl F . C22 H20 Cl F . C21 H24 F2 . C21 H17 Cl F2 . C21 H17 Cl F2
CI MXS

CM 1

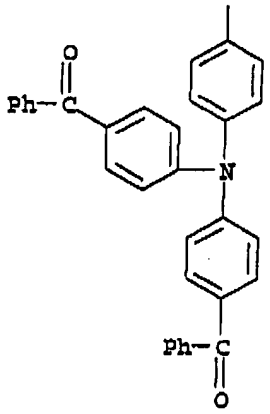
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PAGE 1-A



9)

PAGE 2-A

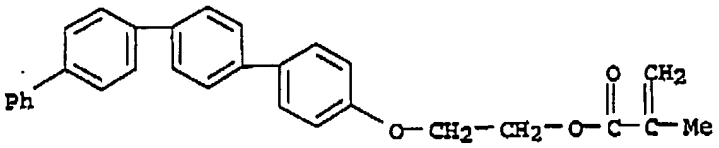


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbothioamide (9CI)
MF C19 H15 N S

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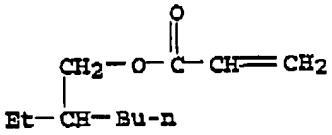
CI PMS

CM 1



3)

CM 2

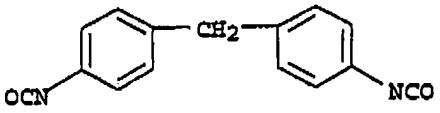


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Methanone, [9,10-anthracenediylbis(4,1-phenylenenitrilodi-4,1-phenylene)]tetrakis[phenyl- (9CI)
MF C78 H52 N2 O4

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HO—$(CH_2)_6$—OH

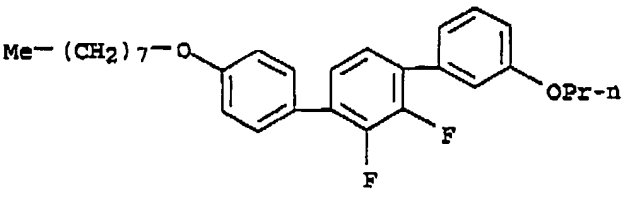
CM 4



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Palladium, bis[bis(2-methylbutyl)phenylphosphine]bromo[3''''-methyl-5,5',5'',5''',5'''',8,8',8'',8''',8''''-decakis(4-methylphenyl)[2,2':3',2'':3'',2''':3''',2''''-quinquequinoxalin]-3-yl]-, [SP-4-2-[S-(R*,R*)],[S-(R*,R*)]]- (9CI)
MF C143 H137 Br N10 P2 Pd
CI CCS, COM

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2',3'-difluoro-4''-(octyloxy)-3-propoxy- (9CI)
MF C29 H34 F2 O2

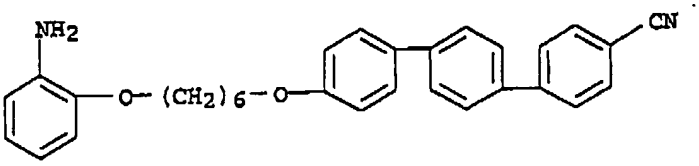


1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-[[6-(2-aminophenoxy)hexyl]oxy]-, homopolymer (9CI)
MF (C31 H30 N2 O2)x
CI PMS

CM 1

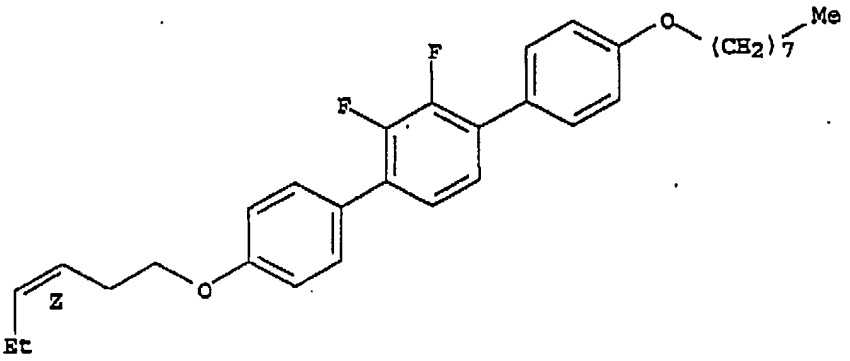
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3)

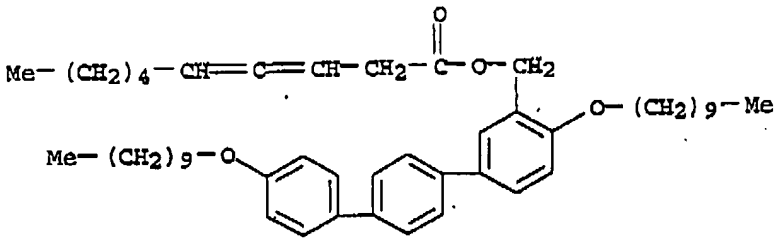
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2',3'-difluoro-4-(3-hexenyloxy)-4''-(octyloxy)-, (Z)- (9CI)
MF C32 H38 F2 O2

Double bond geometry as shown.



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 3,4-Decadienoic acid, [4,4''-bis(decyloxy)[1,1':4',1''-terphenyl]-3-yl]methyl ester (9CI)
MF C49 H70 O4



A)

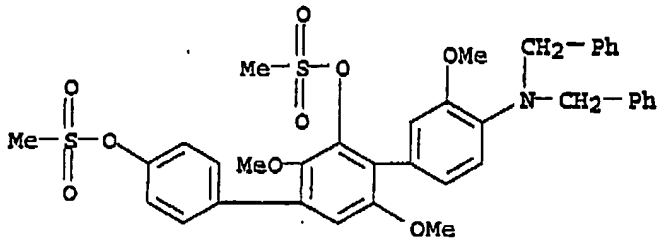
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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

09/214,277

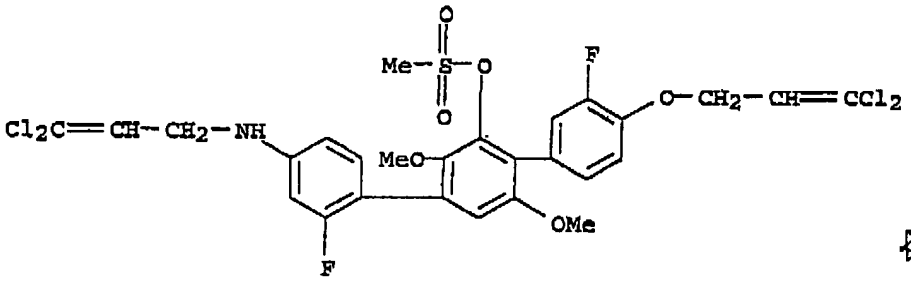
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IN [1,1':4',1''-Terphenyl]-2',4''-diol, 4-[bis(phenylmethyl)amino]-3,3',6'-trimethoxy-, dimethanesulfonate (ester) (9CI)
MF C37 H37 N O9 S2



☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2'-ol, 4''-[(3,3-dichloro-2-propenyl)amino]-4-[(3,3-dichloro-2-propenyl)oxy]-2'',3-difluoro-3',6'-dimethoxy-, methanesulfonate (ester) (9CI)
MF C27 H23 Cl4 F2 N O6 S

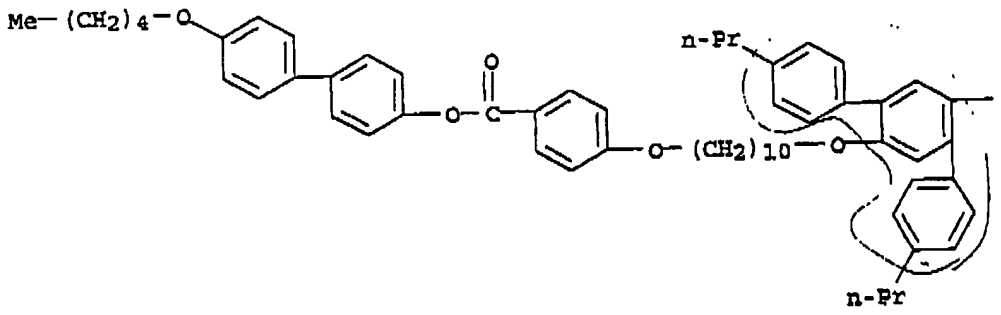


☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Benzoic acid, 4,4'-[(4,4''-dipropyl[1,1':4',1''-terphenyl]-2',5'-diyl)bis(oxy-10,1-decanediyloxy)]bis-, bis[4'-(pentyloxy)[1,1'-biphenyl]-4-yl] ester (9CI)
MF C92 H110 O10

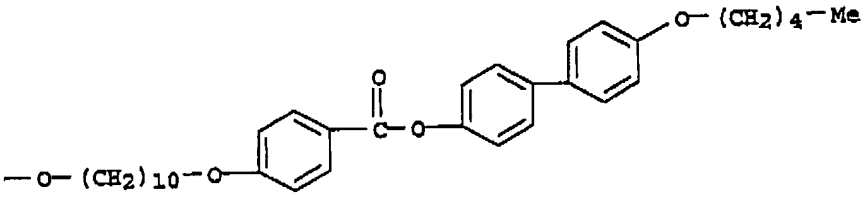
V. Balasubramanian

PAGE 1-A



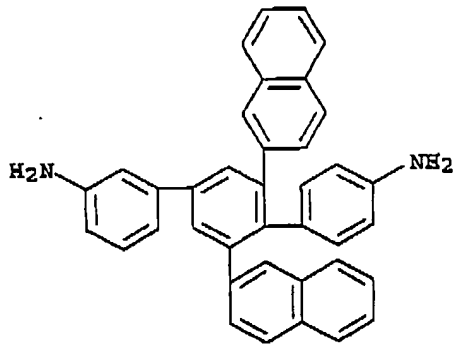
5)
R^{13} = H

PAGE 1-B



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,3-Isobenzofurandione, 5,5'-carbonylbis-, polymer with 3',5'-di-2-naphthalenyl[1,1':4',1''-terphenyl]-3,4''-diamine (9CI)
MF (C38 H28 N2 . C17 H6 O7)x
CI PMS

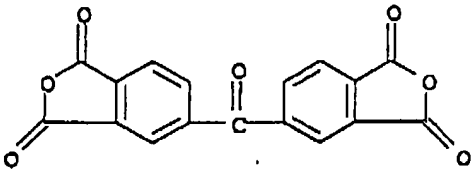
CM 1



8)

CM 2

V. Balasubramanian

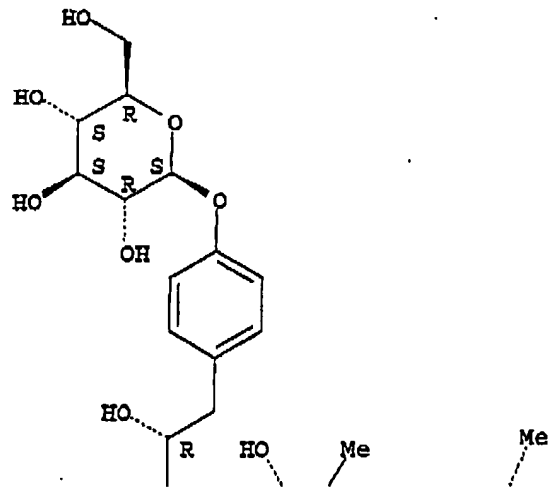


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Cilofungin,
1-[(4R)-4-hydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-

4-yl]carbonyl]-L-ornithine]-4-[4-[4-(.beta.-D-glucopyranosyloxy)phenyl]-L-threonine]- (9CI)
SQL 6
MF C64 H83 N7 O20

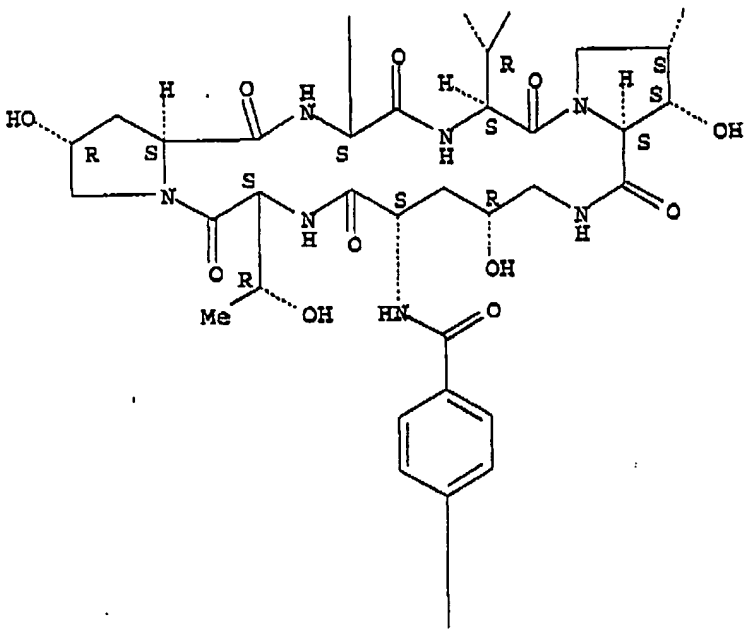
Absolute stereochemistry.

PAGE 1-A



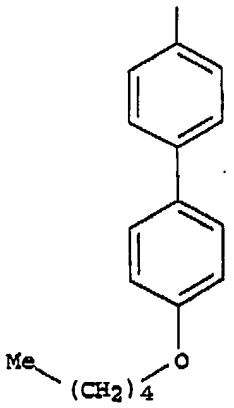
V. Balasubramanian

PAGE 2-A



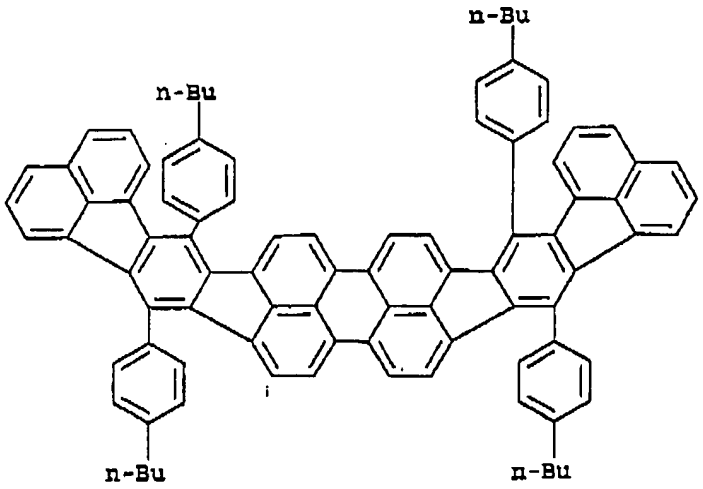
3)

PAGE 3-A



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Bisnaphth[1',8':5,6,7]-s-indaceno[1,2,3-cd:1',2',3'-lm]perylene, 4,9,16,21-tetrakis(4-butylphenyl)- (9CI)
MF C92 H72

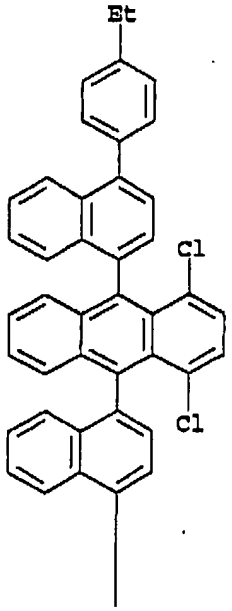
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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Anthracene, 1,4-dichloro-9,10-bis[4-(4-ethylphenyl)-1-naphthalenyl]-(9CI)
MF C50 H36 Cl2

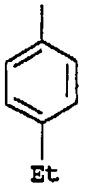
PAGE 1-A



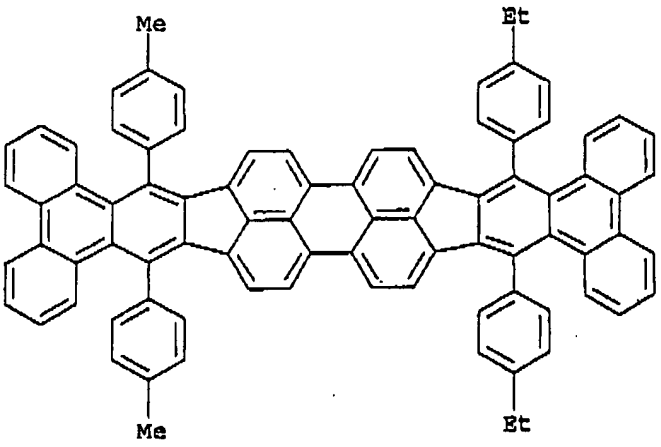
9)

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PAGE 2-A



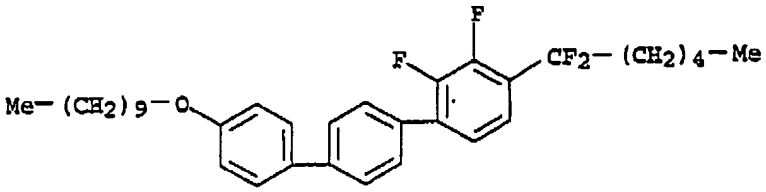
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Bisphenanthro[9',10':5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene, 9,28-bis(4-ethylphenyl)-14,23-bis(4-methylphenyl)- (9CI)
MF C86 H56



9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4''-(decyloxy)-4-(1,1-difluorohexyl)-2,3-difluoro- (9CI)
MF C34 H42 F4 O

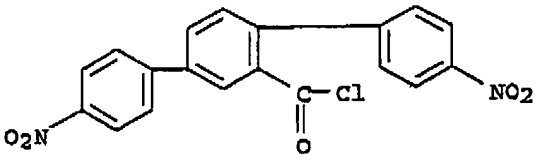
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3)

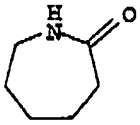
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2'-carbonyl chloride, 4,4''-dinitro-, polymer with
1H,3H-benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone and hexahydro-2H-azepin-2-
one, block (9CI)
MF (C19 H11 Cl N2 O5 . C10 H2 O6 . C6 H11 N O)x
CI PMS

CM 1

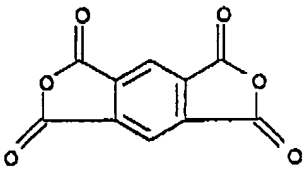


5)

CM 2



CM 3

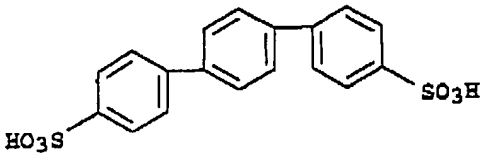


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

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IN [1,1':4',1''-Terphenyl]-4,4''-disulfonic acid (9CI)
MF C18 H14 O6 S2
CI COM



3)

ALL ANSWERS HAVE BEEN SCANNED

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.93	1.08

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NEWS	4	Feb 16	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA

V. Balasubramanian

NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
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FULL ESTIMATED COST	0.15	0.15

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Please note that search-term pricing does apply when conducting SmartSELECT searches.

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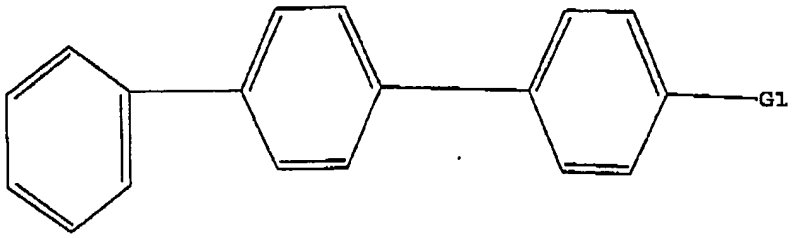
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L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 3524 TO ITERATE

50 ANSWERS

28.4% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

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BATCH **COMPLETE**
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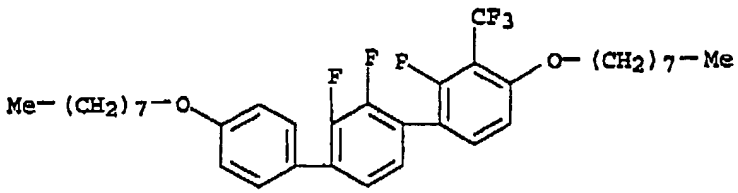
L3 50 SEA SSS SAM L1

=> d scan

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2,2',3'-trifluoro-4,4''-bis(octyloxy)-3-(trifluoromethyl)- (9CI)
MF C35 H42 F6 O2

09/214,277

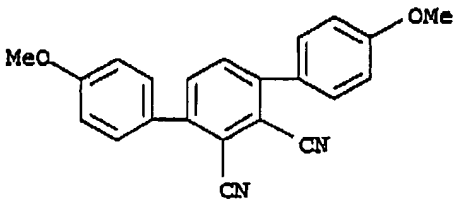
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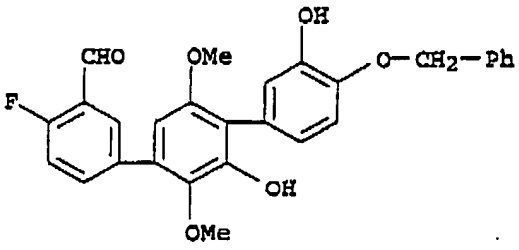
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):49

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3'-dicarbonitrile, 4,4''-dimethoxy- (9CI)
MF C22 H16 N2 O2



3)

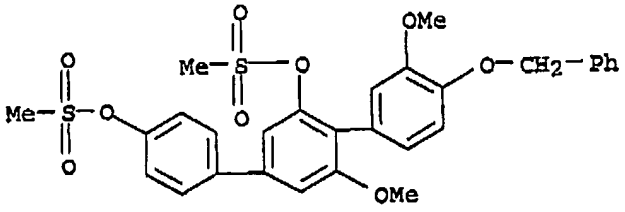
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3-carboxaldehyde,
4-fluoro-3',3''-dihydroxy-2',5'-
dimethoxy-4''-(phenylmethoxy)- (9CI)
MF C28 H23 F O6



* See Appendix 4

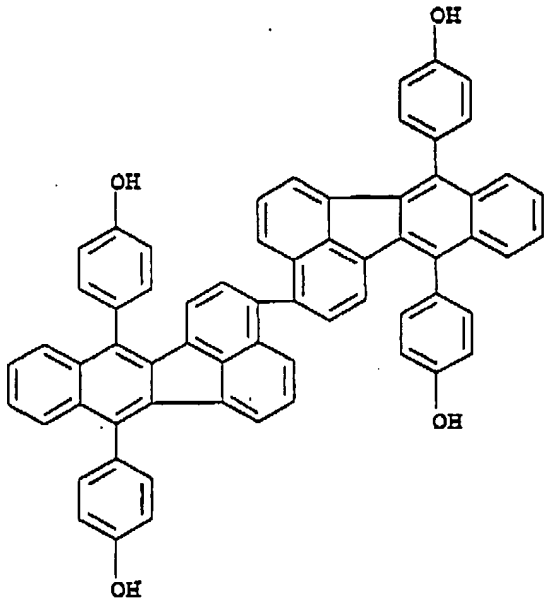
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',4''-diol, 3,6'-dimethoxy-4-(phenylmethoxy)-,
dimethanesulfonate (9CI)
MF C29 H28 O9 S2

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* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Phenol, 4,4',4'',4'''-[3,3'-bibenzo[k]fluoranthene]-7,7',12,12'-tetrayltetrakis- (9CI)
MF C64 H38 O4



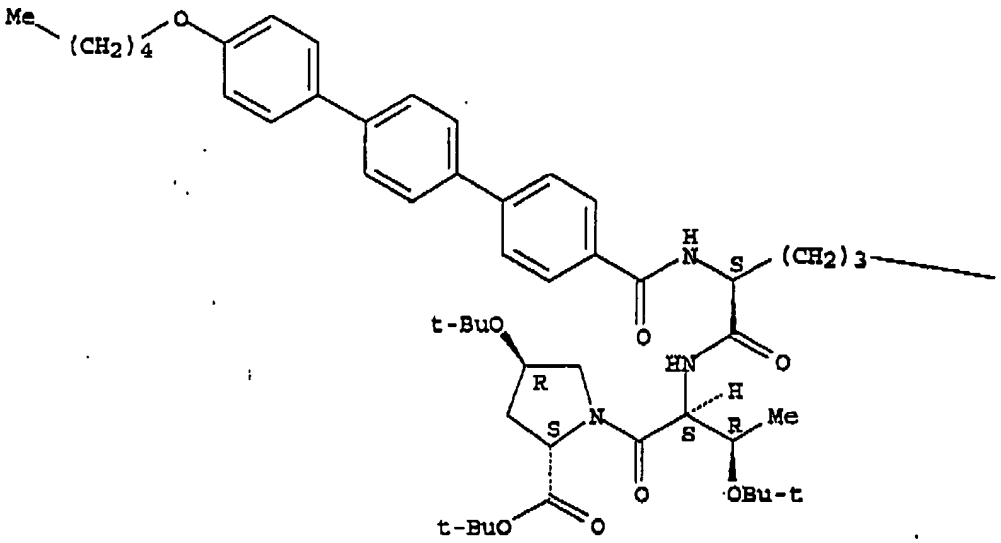
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN L-Proline,
N5-[(4S)-4-azido-1-[(9H-fluoren-9-ylmethoxy)carbonyl]-L-prolyl]-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithyl-O-(1,1-dimethylethyl)-L-threonyl-4-(1,1-dimethylethoxy)-, 1,1-dimethylethyl ester, (4R)- (9CI)
MF C70 H88 N8 O11

Absolute stereochemistry.

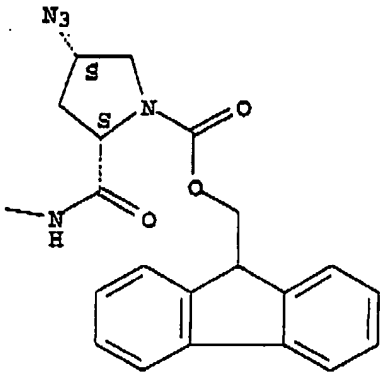
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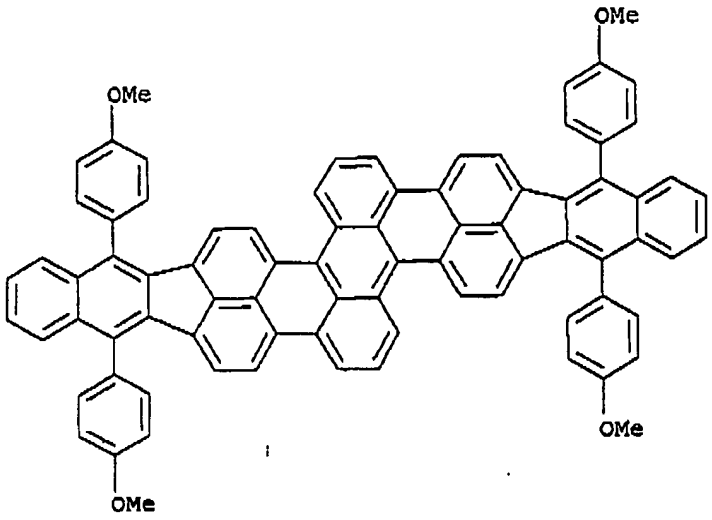
3)

PAGE 1-B



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C82 H50 O4

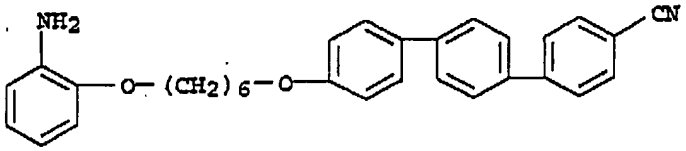
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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-[[6-(2-aminophenoxy)hexyl]oxy]-, homopolymer (9CI)
MF (C31 H30 N2 O2)x
CI PMS

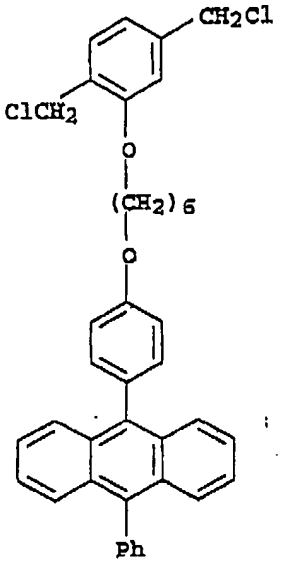
CM 1



3)

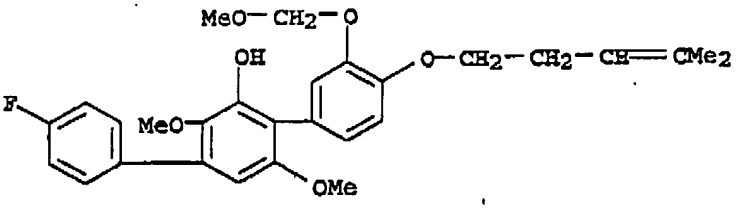
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Anthracene, 9-[4-[[6-[2,5-bis(chloromethyl)phenoxy]hexyl]oxy]phenyl]-10-phenyl- (9CI)
MF C40 H36 Cl2 O2

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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2'-ol, 4''-fluoro-3',6'-dimethoxy-3-(methoxymethoxy)-4-[(4-methyl-3-pentenyl)oxy]- (9CI)
MF C28 H31 F O6

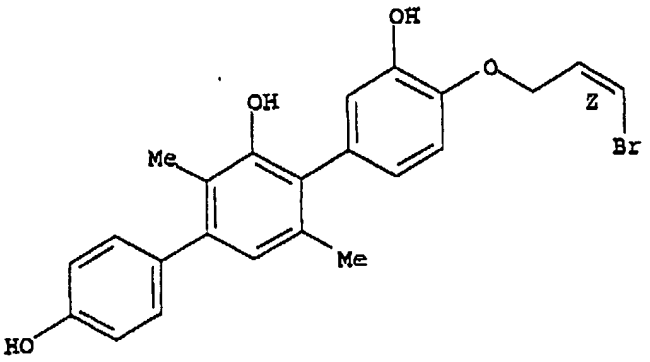


* See Appendix 1

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-[(3-bromo-2-propenyl)oxy]-3',6'-dimethyl-, (Z)- (9CI)
MF C23 H21 Br O4

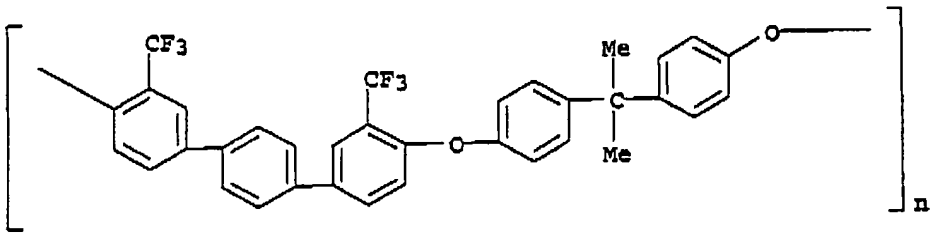
Double bond geometry as shown.

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☆ See Appendix 4

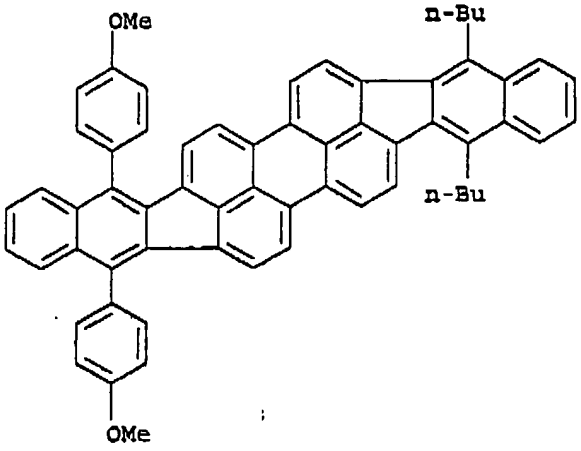
L3 50 ANSWERS 'REGISTRY COPYRIGHT 2001 ACS
IN Poly[oxy-1,4-phenylene(1-methylethylidene)-1,4-phenyleneoxy[3,3''-bis(trifluoromethyl)-1,1':4',1''-terphenyl-4,4''-diyl]] (9CI)
MF (C35 H24 F6 O2)n
CI PMS



☆ See Appendix 4-2

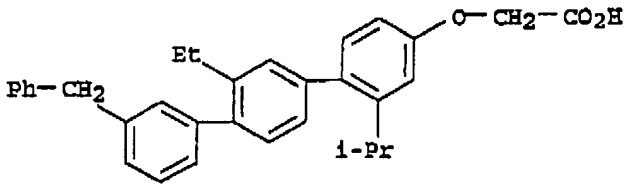
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Bisbenz[5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene, 5,20-dibutyl-10,15-bis(4-methoxyphenyl)- (9CI)
MF C62 H48 O2

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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Acetic acid, [[3'-ethyl-2-(1-methylethyl)-3''-(phenylmethyl)[1,1':4',1''-terphenyl]-4-yl]oxy]- (9CI)
MF C32 H32 O3
CI COM

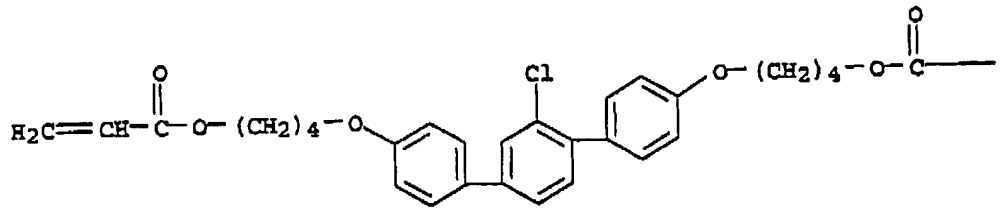


5)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2-Propenoic acid, (2'-chloro[1,1':4',1''-terphenyl]-4,4''-diyl)bis(oxy-4,1-butanediyl) ester (9CI)
MF C32 H33 Cl O6

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PAGE 1-A



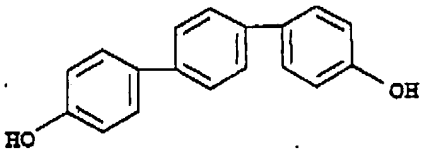
1)

PAGE 1-B



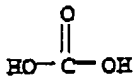
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol] and [1,1':4',1''-terphenyl]-4,4''-diol (9CI)
MF (C18 H14 O2 . C17 H20 O2 . C H2 O3)x
CI PMS

CM 1



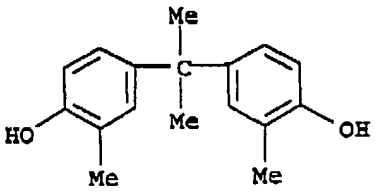
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CM 2

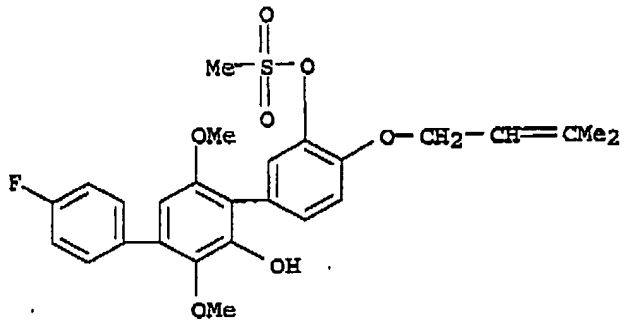


CM 3

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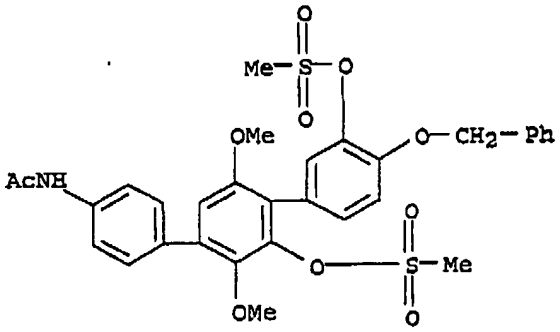
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3-diol, 4''-fluoro-3',6'-dimethoxy-4-[(3-methyl-2-butenyl)oxy]-, 3-methanesulfonate (9CI)
MF C26 H27 F O7 S



See Appendix 7

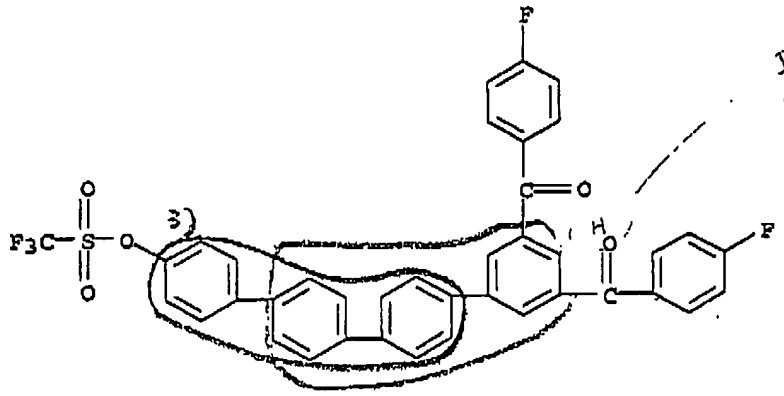
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Acetamide, N-[2',5'-dimethoxy-3',3''-bis[(methylsulfonyl)oxy]-4''-(phenylmethoxy)[1,1':4',1''-terphenyl]-4-yl]- (9CI)
MF C31 H31 N O10 S2

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※ See Appendix 4

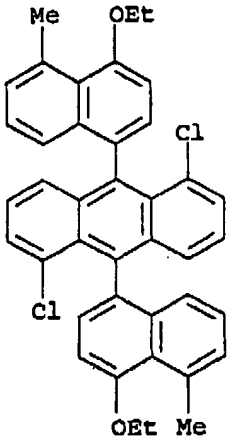
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Methanesulfonic acid, trifluoro-, 3''',5'''-bis(4-fluorobenzoyl)[1,1':4',1'':4'',1'''-quaterphenyl]-4-yl ester (9CI)
MF C39 H23 F5 O5 S



If this is regarded as R^1, R^{13}=H
This is not included in claims because of 1).

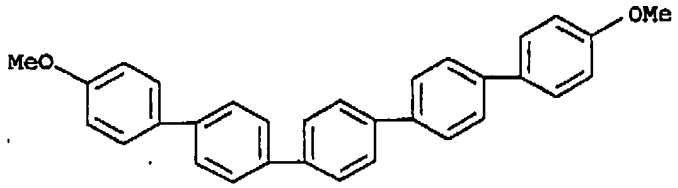
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Anthracene, 1,5-dichloro-9,10-bis(4-ethoxy-5-methyl-1-naphthalenyl)-(9CI)
MF C40 H32 Cl2 O2

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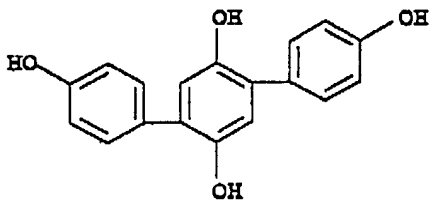
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1'':4'',1''':4''',1''''-Quinquephenyl, 4,4''''-dimethoxy- (9CI)
MF C32 H26 O2



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',4,4'',5'-tetrol (9CI)
MF C18 H14 O4
CI COM



7)

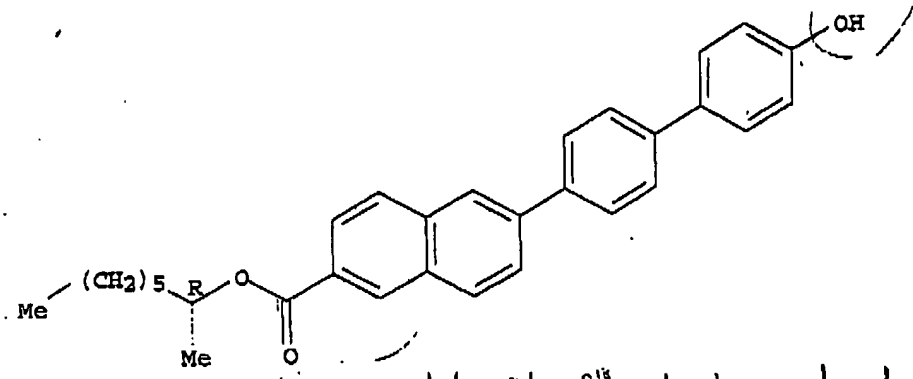
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

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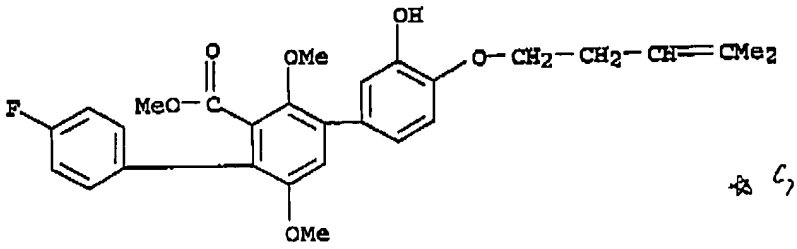
IN 2-Naphthalenecarboxylic acid, 6-(4'-hydroxy[1,1'-biphenyl]-4-yl)-, 1-methylheptyl ester, (R)- (9CI)
MF C31 H32 O3

Absolute stereochemistry.



If this is regarded as R', R'' is H. This is not included in claims because of 4)

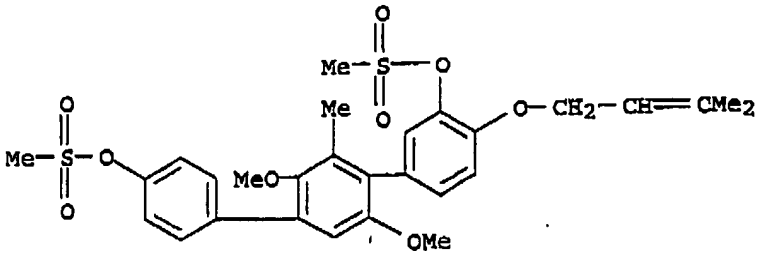
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2'-carboxylic acid, 4-fluoro-3''-hydroxy-3',6'-dimethoxy-4''-[(4-methyl-3-pentenyl)oxy]-, methyl ester (9CI)
MF C28 H29 F O6



* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3,4''-diol, 3',6'-dimethoxy-2'-methyl-4-[(3-methyl-2-butenyl)oxy]-, dimethanesulfonate (9CI)
MF C28 H32 O9 S2

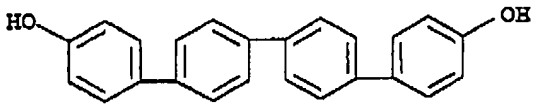
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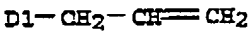
* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol] and ar'-2-propenyl[1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diol (9CI)
MF (C27 H22 O2 . C15 H16 O2 . C H2 O3)x
CI PMS

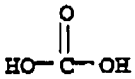
CM 1



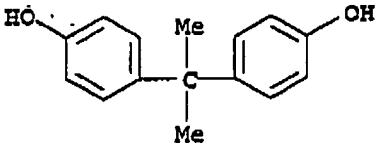
3)



CM 2



CM 3

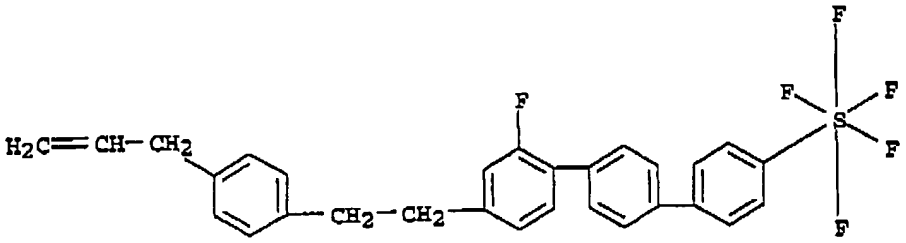


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Sulfur, pentafluoro[2''-fluoro-4''-[2-[4-(2-propenyl)phenyl]ethyl][1,1':4'

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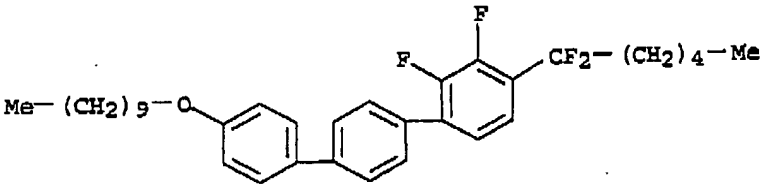
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,1''-terphenyl]-4-yl]-, (OC-6-21)- (9CI)
MF C29 H24 F6 S



5)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4''-(decyloxy)-4-(1,1-difluorohexyl)-2,3-difluoro- (9CI)
MF C34 H42 F4 O

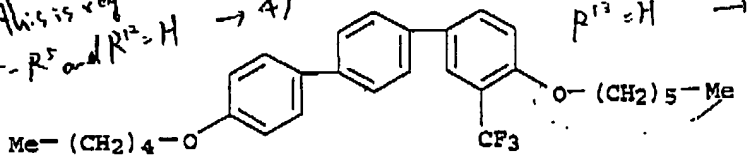


3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4-(hexyloxy)-4''-(pentyloxy)-3-(trifluoromethyl)- (9CI)
MF C30 H35 F3 O2

If this is regarded as R¹ → 4)
R² = R⁵ and R¹² = H

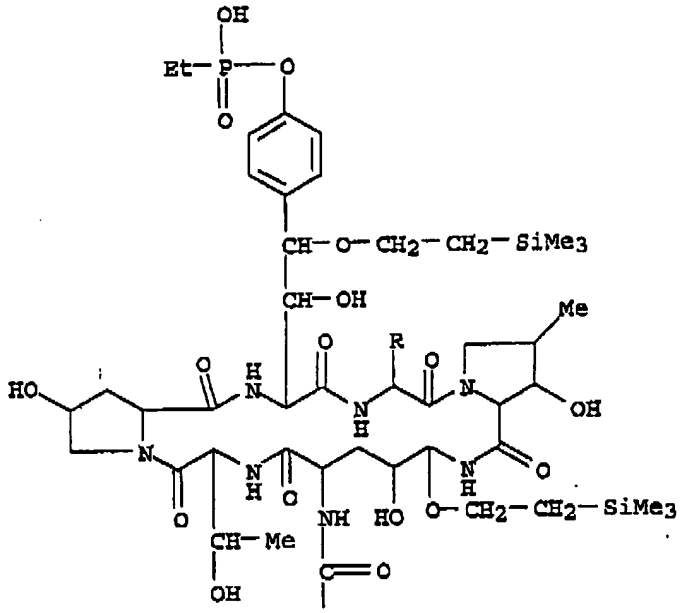
If this is regarded as R¹, → 5)
R¹³ = H



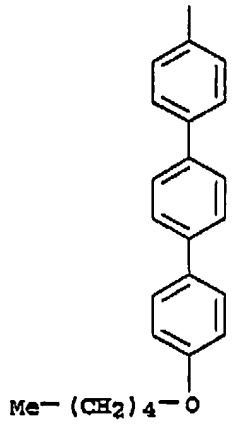
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Echinocandin B, 1-[(4R,5R)-4-hydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-5-[2-(trimethylsilyl)ethoxy]-L-ornithine]-4-[(S)-4-[4-[(ethylhydroxyphosphinyl)oxy]phenyl]-4-[2-(trimethylsilyl)ethoxy]-L-threonine]- (9CI)
SQL 6
MF C70 H102 N7 O19 P Si2

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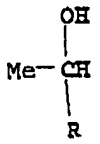
PAGE 2-A



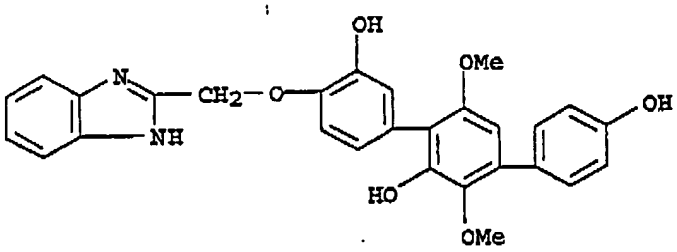
3)

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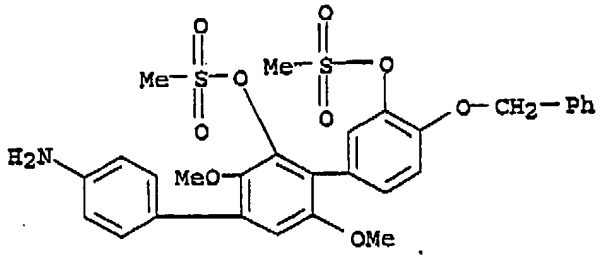


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-(1H-benzimidazol-2-ylmethoxy)-3',6'-dimethoxy- (9CI)
MF C28 H24 N2 O6



☆ See Appendix A

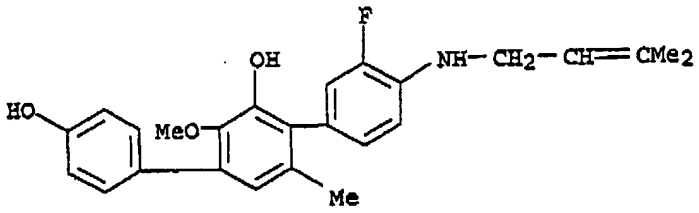
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3-diol, 4''-amino-3',6'-dimethoxy-4-(phenylmethoxy)-, dimethanesulfonate (ester) (9CI)
MF C29 H29 N O9 S2



☆ See Appendix A

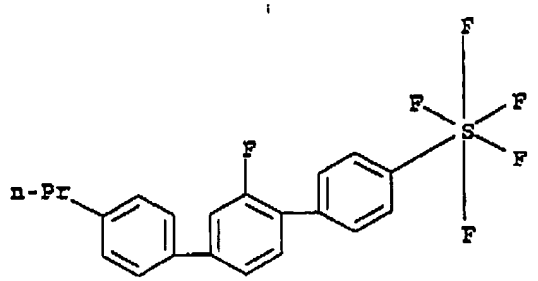
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',4''-diol, 3-fluoro-3'-methoxy-6'-methyl-4-[(3-methyl-2-butenyl)amino]- (9CI)
MF C25 H26 F N O3

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& See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Sulfur, pentafluoro(2'-fluoro-4''-propyl[1,1':4',1''-terphenyl]-4-yl)-, (OC-6-21)- (9CI)
MF C21 H18 F6 S



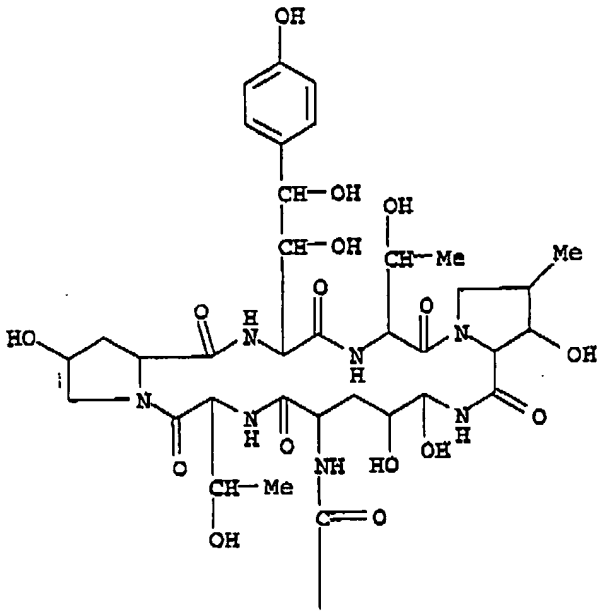
1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Echinocandin B, 1-[(4R,5R)-4,5-dihydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-, compd. with 4-O-.alpha.-D-glucopyranosyl-D-glucitol (1:1) (9CI)
SQL 6
MF C58 H73 N7 O17 . C12 H24 O11

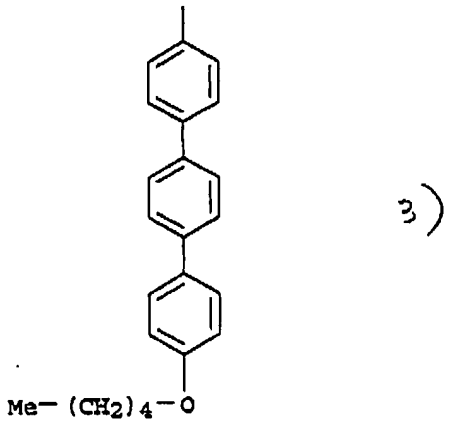
CM 1

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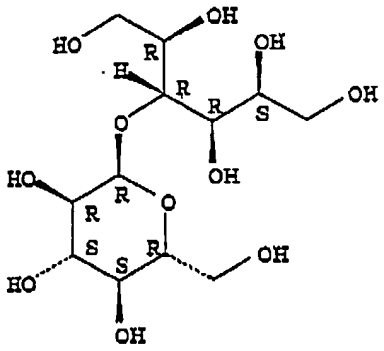
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CM 2

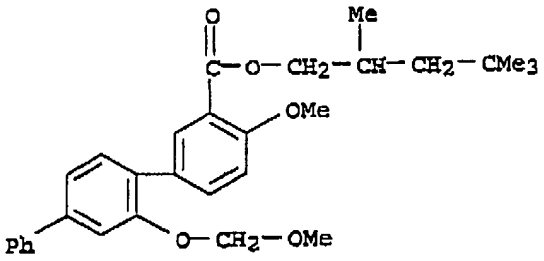
Absolute stereochemistry.

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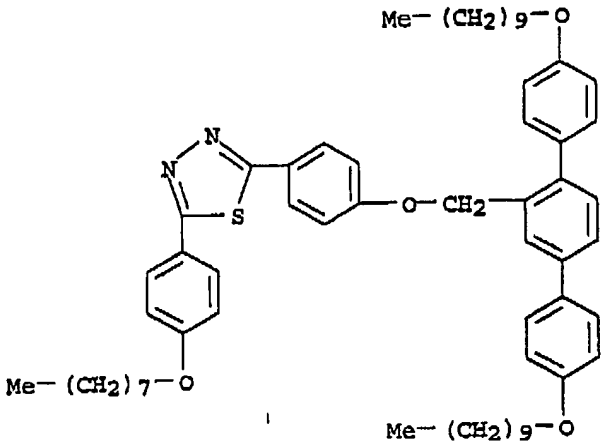
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3-carboxylic acid, 4-methoxy-2'-(methoxymethoxy)-, 2,4,4-trimethylpentyl ester (9CI)
MF C30 H36 O5



5)
R^{1a} = optionally substituted alkoxycarbonyl

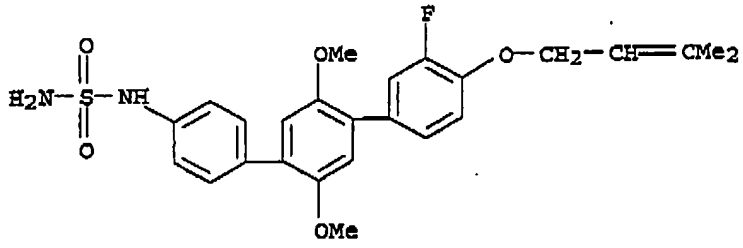
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,3,4-Thiadiazole, 2-[4-[[4,4''-bis(decyloxy)[1,1':4',1''-terphenyl]-2'-yl]methoxy]phenyl]-5-[4-(octyloxy)phenyl]- (9CI)
MF C61 H80 N2 O4 S

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5)
R^{13} = H

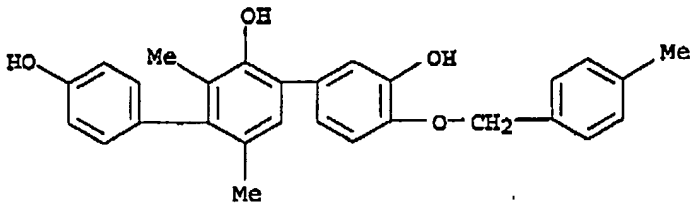
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Sulfamide, [3''-fluoro-2',5'-dimethoxy-4''-[(3-methyl-2-butenyl)oxy][1,1':4',1''-terphenyl]-4-yl]- (9CI)
MF C25 H27 F N2 O5 S



* See Appendix 4

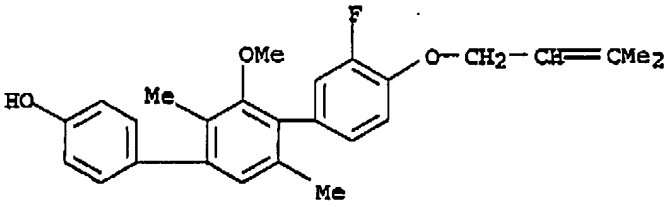
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',5'-dimethyl-4-[(4-methylphenyl)methoxy]- (9CI)
MF C28 H26 O4

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* See Appendix 9

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-ol,
3''-fluoro-3'-methoxy-2',5'-dimethyl-4''-[(3-methyl-2-butenyl)oxy]- (9CI)
MF C26 H27 F O3

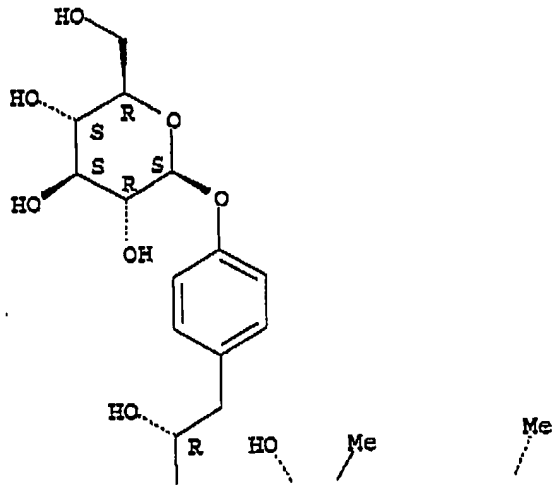


* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Cilofungin,
1-[(4R)-4-hydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-[4-(.beta.-D-glucopyranosyloxy)phenyl]-L-threonine]- (9CI)
SQL 6
MF C64 H83 N7 O20

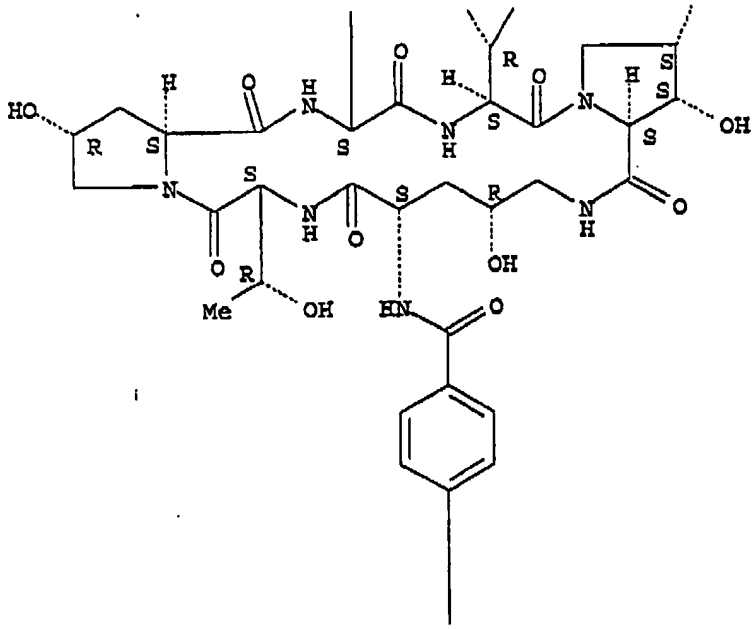
Absolute stereochemistry.

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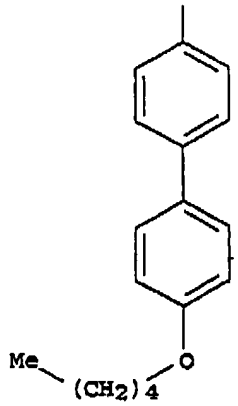
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PAGE 2-A



3)

PAGE 3-A

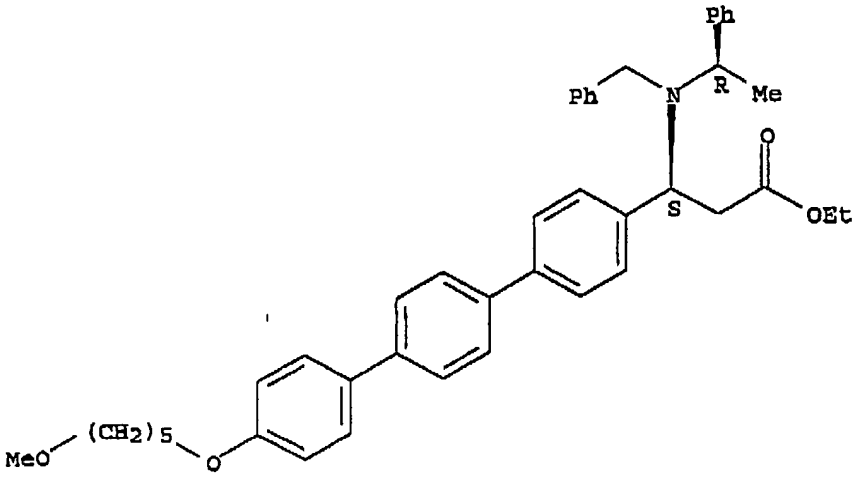


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-propanoic acid, 4''-[(5-methoxypentyl)oxy]-.beta.-[[(1R)-1-phenylethyl](phenylmethyl)amino]-, ethyl ester, (.beta.S)-
(9CI)
MF C44 H49 N O4

09/214,277

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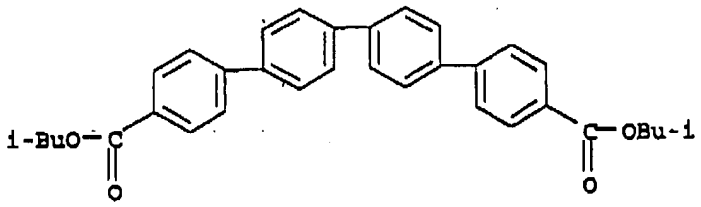
Absolute stereochemistry.



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1'':4'',1'''-Quaterphenyl]-4,4'''-dicarboxylic acid, bis(2-methylpropyl) ester, polymer with dimethyl hexanedioate, 1,2-ethanediol and [1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diol (9CI)
MF (C34 H34 O4 . C24 H18 O2 . C8 H14 O4 . C2 H6 O2)x
CI PMS

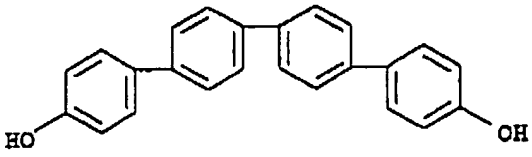
CM 1



3)

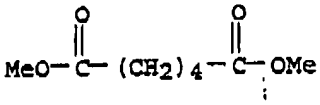
CM 2

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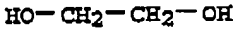


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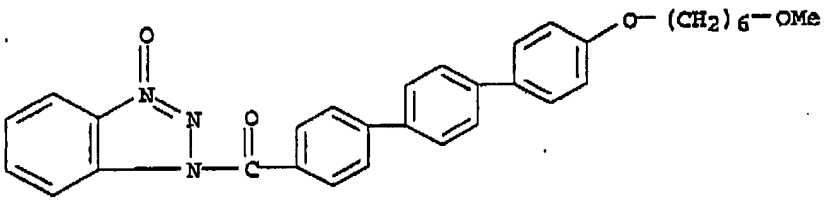
CM 3



CM 4



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1H-Benzotriazole, 1-[[4''-[(6-methoxyhexyl)oxy][1,1':4',1''-terphenyl]-4-yl]carbonyl]-, 3-oxide (9CI)
MF C32 H31 N3 O4



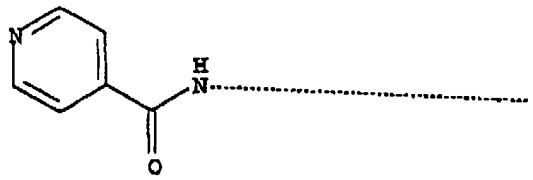
3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Echinocandin D, 1-[N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[(.alpha.S)-.alpha.-amino-4-hydroxybenzenebutanoic acid]-6-[(4S)-4-[(4-pyridinylcarbonyl)amino]-L-proline]- (9CI)
SQL 6
MF C63 H75 N9 O13

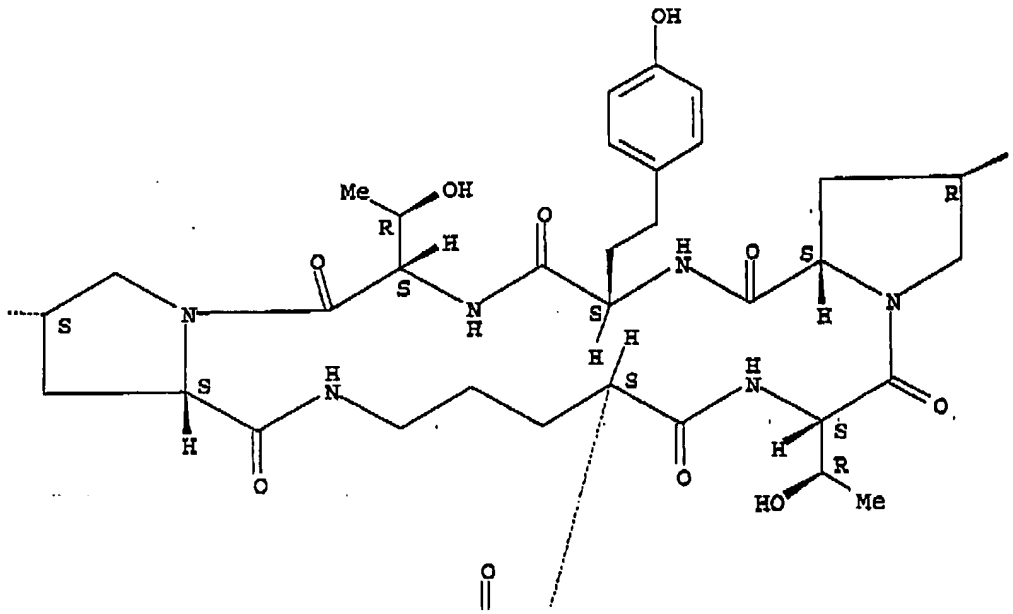
Absolute stereochemistry.

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PAGE 1-B



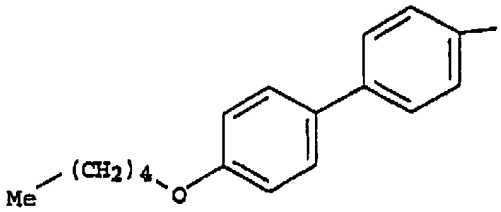
3)

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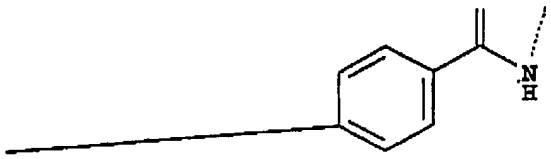
PAGE 1-C



PAGE 2-A

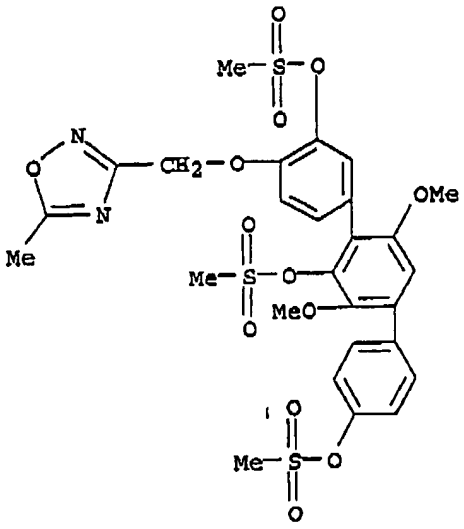


PAGE 2-B



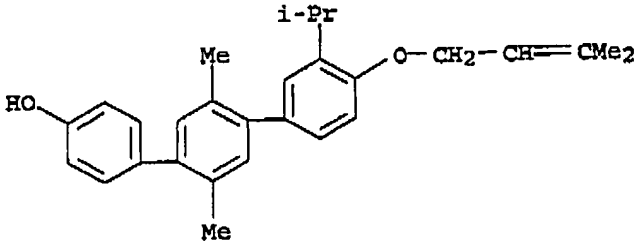
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',6'-dimethoxy-4-[(5-methyl-1,2,4-oxadiazol-3-yl)methoxy]-, trimethanesulfonate (ester) (9CI)
MF C27 H28 N2 O13 S3

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※ See Appendix 4

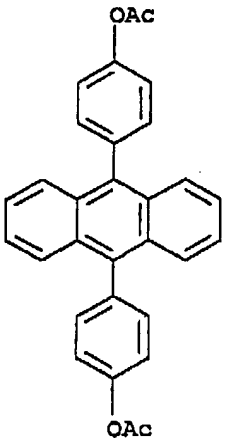
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-ol,
2',5'-dimethyl-4''-[(3-methyl-2-butenyl)oxy]-
3''-(1-methylethyl)- (9CI)
MF C28 H32 O2



※ See Appendix 4

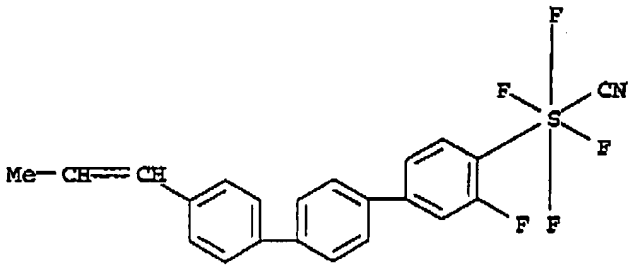
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Phenol, 4,4'-(9,10-anthracenediyl)bis-, diacetate (9CI)
MF C30 H22 O4
CI COM

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9)

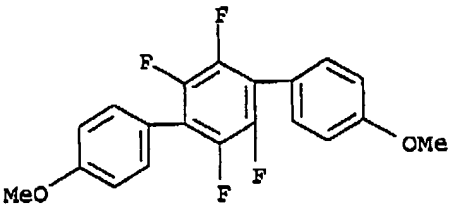
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Sulfur,
(cyano-.kappa.C)tetrafluoro[3-fluoro-4''-(1-propenyl)[1,1':4',1''-terphenyl]-4-yl]- (9CI)
MF C22 H16 F5 N S



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2',3',5',6'-tetrafluoro-4,4''-dimethoxy- (9CI)
MF C20 H14 F4 O2

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2.)

ALL ANSWERS HAVE BEEN SCANNED

=> log y

	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	0.62	0.77

* *

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